

## **D: Phase I Environmental Site Assessment**

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
PROPOSED RESIDENTIAL DEVELOPMENT, PUBLIC FACILITIES,  
AND PARK AT FORMER IRWD SITE,  
LAKE FOREST, CALIFORNIA**

Prepared For:

**Lewis Investment Company**

1156 North Mountain Avenue  
Upland, California 91785

Project No. 011797-003

April 23, 2008



**Leighton and Associates, Inc.**

A LEIGHTON GROUP COMPANY



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To: Lewis Investment Company  
1156 North Mountain Avenue  
Upland, California 91785

Attention: Mr. Joe J. Stucker

Subject: Phase I Environmental Site Assessment, Proposed Residential Development,  
Public Facilities, and Park at Former IRWD Site, Lake Forest, California

Leighton and Associates, Inc. (Leighton) is pleased to present this report summarizing a Phase I Environmental Site Assessment for the subject property.

Leighton has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. Leighton has developed and performed the all appropriate inquiries in conformance with the standards and practices prescribed in ASTM International (ASTM) E1527-05.

If you have any questions regarding this report, please do not hesitate to contact me. We appreciate the opportunity to be of service.

Respectfully submitted,

LEIGHTON AND ASSOCIATES, INC.

Meredith Church, PG  
Project Geologist

Senior Reviewer: Edward Burrows

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## EXECUTIVE SUMMARY

Leighton and Associates, Inc. (Leighton) performed a Phase I Environmental Site Assessment (ESA) of the proposed residential development, public facilities, and park at the former Irvine Ranch Water District (IRWD), Lake Forest, California (referred to as the "subject property" – Figure 1, *Site Location Map*). The purpose of this ESA was to attempt to identify, to the extent feasible pursuant to the processes prescribed in ASTM International (ASTM) E1527-05, recognized environmental conditions (RECs) in connection with the subject property. Exceptions to, or deletions from, this practice are described in Section 1.5 of the Phase I ESA report. The scope of work for this Phase I ESA included: records review; site reconnaissance; interviews; and report preparation.

Based on historical records, the northern portion of the subject property (proposed residential area) appeared to have consisted of vacant land that may have been used for agricultural purposes prior to 1990. Portions of the Baker Filtration Plant (IRWD Facility) to the south of the proposed residential structures on the subject property appeared to have been constructed by at least 1977. The proposed park area of the subject property appeared to have a pond located on it in 1977 and the pump features appeared to have been constructed by at least 1989. The IRWD administration building was constructed in the west-central portion of the subject property in 1990.

A search of selected government databases was conducted by Leighton using the EDR<sup>®</sup> Radius Report and the subject property was identified in the report. Los Alisos Water District, 20996 Marin, was listed on the Haznet database that records facility and manifest data. The waste categories included waste oil and mixed oil, paint sludge, inorganic solid waste, unspecified solvent mixture waste, and laboratory waste chemicals. Based on the site usage of 20996 Marin as an IRWD administrative office, it is likely that these wastes were associated with the IRWD Baker Filtration Plant located on the property at 21082 Wisteria. The waste manifests reviewed for 21082 Wisteria at the Orange County Health Care Agency (OCHCA) are similar with the wastes listed above. Based on the interviews stating that no hazardous materials were known to have been used on the subject property, the site history, and the files reviewed, this listing is considered to have low potential to negatively impact the subject property.

A leaking underground storage tank (LUST) was listed in the EDR<sup>®</sup> Radius Report and Geotracker for Los Alisos Water District, 21082 Wisteria, located approximately 500 feet south of the planned residential development. A release was discovered on August 30, 1989 during tank closure activities and was reportedly diesel fuel oil and additives that affected soil only. The case was closed on February 28, 1990. Based on the location, the closed status of the UST, and that it affected soils only, it is expected to have low potential to negatively impact the subject property.



The V.P. Baker Filtration Plant, Palmwood North of Peachwood, was listed as operating three USTs. Two of the USTs were reported to have been 1,000 gallons in capacity and installed in 1980, one containing unleaded fuel and the other premium fuel. The installation date of the third UST was not reported and it was listed as a 1,000 gallon UST containing diesel fuel. The removal dates for the USTs were not listed.

The IRWD did not provide any information regarding present or former USTs located on the subject property or at the maintenance facility located at 21082 Wisteria. There was no information regarding these USTs on file with the OCHCA. The OCHCA only had records pertaining to a 600 gallon waste water UST that was removed from the Baker Filtration Plant located at 21082 Wisteria in 2002. In addition, the previous LUST listing indicated that a diesel UST was removed in 1989, soils were impacted, and the case was closed in 1990. No information was available regarding soil testing when the three USTs were removed; however, it appears that the former USTs were likely located at 21082 Wisteria, the IRWD (former Baker Filtration Plant) maintenance area. It is considered unlikely that these USTs were located on the subject property, due to the known site use of the property, and they are expected to have a low probability to adversely affect the subject property; however, evidence of USTs or releases should be observed during grading operations.

Leighton has performed a Phase I ESA in accordance with the scope and limitations of ASTM Practice E 1527-05 of the proposed residential development, public facilities, and park at the former IRWD facility located in Lake Forest, California, the subject property. Exceptions to, or deletions from this practice are described in Section 1.5 of this report. This assessment has revealed no evidence of RECs in connection with the property with the exception of the following:

- The historical agricultural use of the subject property indicates possible pesticide use.

Based upon the findings of this Phase I ESA, Leighton recommends:

- Perform sampling of near surface soils in the vicinity of the proposed residential developments to determine if agricultural use has impacted the subsurface soil.
- In general, observations should be made during any future development activities for features of concern or areas of possible contamination such as, but not limited to, the presence of underground facilities, buried debris, waste drums, tanks, soil staining or odorous soils. Further investigation and analysis may be necessary, should such materials be encountered.



## 1.0 INTRODUCTION

### 1.1 Authorization

Leighton and Associates, Inc. (Leighton) performed a Phase I Environmental Site Assessment (ESA) of the proposed residential development, public facilities, and park at the former Irvine Ranch Water District (IRWD), Lake Forest, California (referred to as the "subject property" – Figure 1, *Site Location Map*). The Phase I ESA was conducted in accordance with our proposal dated January 25, 2008 and Lewis Investment Companies authorization dated March 24, 2008. References are included in Appendix A and Site Photos are included in Appendix B.

### 1.2 Purpose

The purpose of the Phase I ESA was to identify, to the extent feasible pursuant to the processes prescribed in ASTM International (ASTM) E1527-05, recognized environmental conditions (RECs) in connection with the subject property. RECs are defined as: the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. *The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimus conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimus are not recognized environmental conditions (ASTM 1527-05, 2005).*

### 1.3 Scope of Work

The scope of work was performed in accordance with Leighton's proposal and included the following tasks:

- A reconnaissance-level visit of the subject property for evidence of release(s) of hazardous materials and petroleum products and to assess the potential for onsite releases of hazardous materials and petroleum products.
- Records Review (including review of previous environmental reports, selected governmental databases, and historical review).



- Interviews.
- Preparation of a report presenting our findings.

#### 1.4 Significant Assumptions

Leighton assumes that the information provided by the Client, regulatory database provider, and regulatory agencies is true and reliable.

#### 1.5 Limitations and Exceptions

Site-specific activities performed by Leighton and information collected regarding these activities are summarized in the following sections. The findings of this ESA are presented in Section 7.0. Opinions, and conclusions drawn by Leighton, based on the information collected as part of the ESA, are presented in Sections 8.0 and 9.0, respectively.

This Phase I ESA was conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.

The interior of the former administrative office building was located and unable to be thoroughly inspected during the site reconnaissance.

The observations and conclusions presented in this report are professional opinions based on the scope of activities, work schedule, and information obtained through the ESA described herein. Opinions presented herein apply to subject property conditions existing at the time of our study and cannot necessarily be taken to apply to subject property conditions or changes that we are not aware of or have not had the opportunity to evaluate. It must be recognized that conclusions drawn from these data are limited to the amount, type, distribution, and integrity of the information collected at the time of the investigation, the methods utilized to collect and evaluate the data, and that a full and complete evaluation of environmental risks cannot be made. Although Leighton has taken steps to obtain true copies of available information, we make no representation or warranty with respect to the accuracy or completeness of this information.

This practice does not address whether requirements in addition to all appropriate inquiry have been met in order to qualify for the landowner liability protections including the continuing obligation not to impede the integrity and effectiveness of activity and use



limitations, or the duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting obligations. Users should also be aware that there are likely to be other legal obligations with regard to hazardous substances or petroleum products discovered on the subject property that are not addressed in this practice and that may pose risks of civil and/or criminal sanctions for non-compliance.

#### 1.6 Special Terms and Conditions

The scope of work for this Phase I ESA did not include non-scope considerations, such as, but not limited to, those listed in Section 13 of ASTM 1527-05. This scope of work did not include items such as testing of electrical equipment for the presence of polychlorinated biphenyls (PCBs) or collection of other environmental samples, such as, water, soil, building materials, or paint; assessment of natural hazards such as naturally occurring asbestos, radon gas, methane gas, or mold; assessment of the potential presence of radionuclides, biological agents, or lead in drinking water; assessment of indoor air quality (such as vapor intrusion assessment); or assessment of nonchemical hazards such as the potential for damage from earthquakes or floods, presence of wetlands, or the presence of endangered species or wildlife habitats. This Phase I ESA also did not include an extensive assessment of the environmental compliance status of the subject property or of businesses operating at the subject property, or a health-based risk assessment.

#### 1.7 User Reliance

This report is for the exclusive use Lewis Investment Company. Use of this report by other parties shall be at such party's sole risk.

#### 1.8 Important Information About Geoenvironmental Reports

The Client is referred to Appendix M regarding important information provided by the ASFE on geoenvironmental studies and reports.



## 2.0 SITE DESCRIPTION

### 2.1 Location and Legal Description

The subject property consists of approximately 44 acres located south of Commerce Centre Drive and Biscayne Bay Drive (Figure 2, *Site Plan*). The assessor's parcel number (APN) 104-132-36 is associated with the subject property and the legal description is "RO CANADA DE LOS ALISOS LOT 10 POR OF LOT TR 671". The APN map and property detail report is included in Appendix C (NETR Online, 2008).

### 2.2 Subject Property and Vicinity General Characteristics

The subject property consists of a portion of an Irvine Ranch Water District (IRWD) facility, formerly managed by the Los Alisos Water District (LAWD) and referred to as the Baker Filtration Plant. The IRWD and the LAWD merged in 2001. The IRWD facility property is shown on Figure 2, *Site Plan*, and the subject property for this report is outlined. The IRWD will maintain ownership of the water reservoirs, structures, and pump houses located to the south of the subject property (21082 and 21084 Wisteria). A portion of the southern part of the IRWD facility property is proposed to be developed with park features. The Conceptual Site Plan for the subject property is included in Appendix D and shows the proposed redevelopment of the area. The redevelopment has not been finalized and may change; however, the colored portions of the plan does show the subject property outline.

A former IRWD administrative office building is located at the southwestern portion of parcel 104-132-36 (20996 Marin), and the remainder of the subject property consists primarily of vacant vegetated land, with the exception of pump structures located at the southern corner of the subject property and the IRWD facility property. The subject property slopes towards the south with a maximum topographic relief of approximately 100 feet. The surrounding vicinity consists generally of office and commercial structures to the north and east, and by hilly vacant land and residential developments to the southeast, south, and west.

### 2.3 Current Use of the Subject Property

The subject property was formerly used by the IRWD for administrative office purposes; however a large portion of the site was vacant land and portions are protected natural habitat. The administrative office building is now vacant and the proposed redevelopment for the property includes residential development and public facilities. The IRWD pump stations are to the south.



#### 2.4 Descriptions of Structures, Roads and Other Improvements on the Subject Property

A main paved access road starts at the southern end of Biscayne Bay Drive (the northwestern portion of the property) and runs through the site in the north-south direction, curves and turns into the east-west direction and ends at approximately the western end of Indian Ocean Drive. A former office building and parking lot is located on the western portion of the subject property. A number of unlined and concrete-lined drainage channels and drains are located throughout the subject property. Two pump houses, a turnout, and a pad-mounted transformer are located at the southern corner of the IRWD facility property, in the location of the proposed park.

#### 2.5 Current Uses of Adjoining Properties

The adjacent properties to the northwest are occupied by office parks and to the north by office/warehouse business parks. Sunstate Equipment Company is located to the east of the subject property, at the eastern terminus of Indian Ocean Drive. Between the proposed residential and public facilities (City Hall) portion of the subject property to the north and the proposed park to the south, there exists two large water UST reservoirs, two water ASTS, and IRWD support structures (warehouses and former maintenance yard). The remaining adjacent sites consist of vacant land and residential dwellings.



### 3.0 USER PROVIDED INFORMATION

The user of this Phase I ESA is identified as the client, Lewis Investment Company. As a part of the ASTM 1527-05 process, a User Questionnaire regarding the property was forwarded to Mr. Joe Stucker of Lewis Investment Company; however, a User Questionnaire or information was not returned to Leighton.

#### 3.1 Title Records

Title records were not provided to Leighton by Lewis Investment Company.

#### 3.2 Environmental Liens or Activity and Use Limitations

No response was received from Lewis Investment Company regarding Environmental lien or activity and use limitations.

#### 3.3 Specialized Knowledge

No response was received from Lewis Investment Company regarding specialized knowledge about the subject property.

#### 3.4 Commonly Known or Reasonably Ascertainable Information

No response was received from Lewis Investment Company regarding commonly known or reasonably ascertainable information about the subject property.

#### 3.5 Valuation Reduction for Environmental Issues

No response was received from Lewis Investment Company regarding valuation reduction for environmental issues.

#### 3.6 Owner, Property Manager, and/or Occupant Information

The owner of the property was identified as the IRWD.

#### 3.7 Reason for Performing Phase I ESA

The reason for performing the Phase I ESA was identified as a property purchase transaction. Leighton assumes that the purpose of this ESA is to provide appropriate inquiry into the previous ownership and use of the Subject property so that the Client



may qualify for CERCLA landowner liability protections as defined in CERCLA, 42 USC §9601(35) (B).

3.8 Other

Mr. Joe Stucker indicated that the IRWD may have some information regarding former agricultural uses of the subject property; however, this information was never received.



## 4.0 RECORDS REVIEW

### 4.1 Physical Setting Source(s)

Leighton reviewed pertinent maps and readily available literature for information on the physiography and hydrogeology of the subject property. A summary of this information is presented in the following subsections.

#### 4.1.1 Topography

The subject property is located within Township 6 South, Range 8 West, Sections 11 and 14 within Lake Forest, Orange County, California. Topographic map coverage was provided in the EDR<sup>®</sup> Historical Topographic Map Report dated March 31, 2008 (Appendix F). Based on the United States Geological Survey (USGS) "El Toro" Quadrangle (1997) included in the EDR<sup>®</sup> Topographic Map Report, one structure was depicted onsite (the former administrative building). Three tanks and two buildings were depicted at the primary IRWD facility location, as well as a structure at the southern corner of the IRWD property (pump house location). The topography of the subject property slopes generally toward the south with a maximum elevation of approximately 700 feet above mean sea level (MSL) at the northern portion of the subject property and 600 feet above MSL in the southern portion of the proposed residential development area. The southern tip of the IRWD facility is located at approximately 540 feet above MSL.

#### 4.1.2 Surface Water

There are numerous unlined and concrete lined drainage channels located on the subject property and the IRWD facility property.

Serrano Creek is located adjacent to the IRWD facility property and extends from the southern tip and parallels the property boundary towards the northeast.

#### 4.1.3 Geology and Soils

The project site is located within the Peninsular Ranges geomorphic province, in a transitional area between the foothills of the Santa Ana Mountains and the adjacent Tustin Plain. The Peninsular Ranges geomorphic province extends 900 miles southward from the Los Angeles Basin to the tip of Baja California and is characterized by elongated northwest-trending mountain ranges separated by



sediment-floored valleys. The most dominant structural features of the province are the northwest trending fault zones, most of which die out, merge with, or are terminated by the steep reverse faults at the southern margin of the Transverse Ranges geomorphic province. North and northeast of the site are the northwest-trending Santa Ana Mountains, a large range, which has been uplifted on its eastern side along the Whittier-Elsinore Fault Zone, producing a tilted, irregular highland that slopes westward toward the sea (Yerkes et al., 1965).

The borings and test pits advanced during the concurrent geotechnical exploration encountered documented and undocumented artificial fill, Quaternary-aged alluvium and colluvium, and sandstone from the Oso member of the Capistrano Formation (Leighton, 2008). As observed within the excavations onsite during the concurrent geotechnical exploration, the sandstone is fine to medium grained, poorly cemented, oxidized, friable, and contains lenses of coarser grained sand and cobble to small boulder size, very well cemented concretions (Leighton, 2008). Bedrock at the site is classified as belonging to the Oso Member of the Capistrano Formation. This formation is late Miocene to early Pliocene age marine sandstone.

#### 4.1.4 Hydrogeology

Groundwater was not encountered in any of the borings or test pits advanced during the concurrent geotechnical investigation, to the maximum depth of 80.4 feet below ground surface (bgs) (Leighton, 2008). Historically, the high groundwater table is estimated to be at a depth of approximately 10 to 20 feet bgs within the canyon bottoms (CDMG, 2001).

According to the EDR<sup>®</sup> Radius Report (Appendix G), a well located approximately 0.7 miles south-southwest of the subject property was measured to be 47 feet bgs on June 3, 1992, and the groundwater gradient was reported to be toward the west.

#### 4.1.5 Oil and Gas Fields

The subject property is located primarily within Township 6 South, Range 8 West, Sections 11 and 14. Leighton reviewed the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) online Regional Oilfield Map W1-4 (DOGGR, 2005). Four plugged and abandoned dry holes, CalResources LLC 'El Toro Corehole' 13, 17, and 18, and Morton and Sons 'El Toro Co.' 14-1. Leighton determined that one well, Morton and Sons 'El Toro Co.' 14-1 was located



near or possibly on the proposed project site. On April 4, 2008, Leighton requested information from Dee Trailer at DOGGR. The DOGGR records are included in Appendix H.

According to the DOGGR records, the oil well drilling was commenced on October 31, 1947 and completed on January 14, 1948 to a depth of 6,529 feet bgs. The well was reported to never have produced and was plugged on November 5, 1948. The location of the well was listed as 450 feet south and 2450 feet west from the northeast corner of projected Section 14 in Township 6 South and Range 8 West, at an elevation 591.2 feet above MSL. According to these coordinates, the plugged and abandoned dry oil well appears to be located approximately adjacent to the west of the Baker Filtration Plant buildings (Figure 3, *Oil Well Location Map*). It is possible that the well could be located on the former IRWD property; however, it does not appear to be located in the area of the proposed residential or public facilities development. If, however, an abandoned oil well is encountered during redevelopment activities; it may be necessary to re-abandon the well to current DOGGR regulations.

#### 4.2 Standard Environmental Record Sources

A search of selected government databases was conducted by Leighton using the EDR<sup>®</sup> Radius Report, dated March 28, 2008. Details of the database search along with descriptions of each database researched are provided in the EDR<sup>®</sup> Radius Report (Appendix G). The report meets the government records search requirements of ASTM E1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The database listings were reviewed within the specified radii established by the ASTM E1527-05. In addition, specific EDR<sup>®</sup> Site Reports were prepared for listings associated with 20996 Marin (1 report) and 21082 Wisteria (4 reports), and these are also included in Appendix G.

##### 4.2.1 Subject Property

The subject property was identified in the EDR<sup>®</sup> Radius Report.

- 1) Los Alisos Water District, 20996 Marin, was listed on the Haznet database that records facility and manifest data. The waste category was listed as oil/water separation sludge, waste oil and mixed oil, aqueous solution with less than 10% total organic residues, unspecified oil-containing waste, paint sludge, other organic solids, alkaline solution without metals (pH > 12.5), off-



specification, aged, or surplus inorganics, other inorganic solid waste, unspecified solvent mixture waste, and laboratory waste chemicals. Based on the site usage of 20996 Marin as an IRWD administrative office, it is likely that these wastes were associated with the IRWD Baker Filtration Plant located on the property at 21082 Wisteria. The waste manifests reviewed for 21082 Wisteria at the Orange County Health Care Agency (OCHCA) are consistent with the wastes listed above as reported in the EDR<sup>®</sup> Radius Report, and are not considered likely to have negatively impacted the subject property.

#### 4.2.2 Offsite

Federal National Priority List (NPL) List: The Environmental Protection Agency's (EPA) NPL of uncontrolled or abandoned hazardous waste sites was reviewed for sites within a 1.0 mile radius of the subject property. To appear on the NPL, sites must have met or surpassed a predetermined hazard ranking system score, been chosen as a State's top priority site, pose a significant health or environmental threat, or be a site where the EPA has determined that remedial action is more cost effective than removal action. The database search identified one NPL property, the El Toro MCAS, within a 1.0 mile radius of the subject property. The El Toro MCAS property is discussed at the end of this section.

Delisted NPL List: The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. The database search did not identify delisted NPL facilities located within a 1.0 mile radius of the subject property.

Federal CERCLIS List: The EPA's Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) listings were reviewed to determine if sites within a 0.5 mile radius of the subject property are listed for investigation. The CERCLIS database identifies hazardous waste sites that require investigation and possible remedial action to mitigate potential negative impacts on human health or the environment. The database search identified one CERCLIS facility, the El Toro MCAS, within 0.50 miles of the subject property. The El Toro MCAS property is discussed at the end of this section.



CERCLIS-NFRAP: As of February 1995, CERCLIS sites designated as No Further Remedial Action Planned (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites. The database search did not identify any CERCLIS-NFRAP facilities within 0.5 miles radius of the subject property.

Federal RCRA List: The current RCRA Notifiers List was reviewed to determine if RCRA treatment, storage, or disposal sites (TSDs) are located within a 0.50 mile radius of the subject property. The database search identified one RCRA TSD facility, the El Toro MCAS, within 0.50 miles of the subject property. The El Toro MCAS property is discussed at the end of this section.

The RCRA Corrective Action Sites List is maintained for sites, which are undergoing "a corrective action." A corrective action order is issued when there has been a release of hazardous waste constituents into the environment from a RCRA facility. The database search identified one RCRA Corrective Action facility, the El Toro MCAS, within a 1.0 mile radius of the subject property. The El Toro MCAS property is discussed at the end of this section.

The RCRA regulated hazardous waste generator notifiers list was reviewed to determine if RCRA generator facilities are adjoining the subject property. The database search identified one RCRA Small Quantity Generator (SQG) located adjacent to the subject property.

- 1) Los Alisos Water District, 21082 Wisteria. No information is reported regarding the waste generated. It appears likely that the Haznet info reported for the Los Alisos Water District at 20996 Marin is associated with the RCRA SQG waste generated from the Los Alisos Water District, Baker Filtration Plant maintenance facility located at 21082 Wisteria. Based on the small quantity of materials generated, it is unlikely that this facility would negatively affect the subject property.



Calsites Database: The Department of Toxic Substances Control (DTSC) Calsites database contains potential or confirmed hazardous substance release properties. The Calsites Database is no longer updated by the state agency and has been replaced by ENVIROSTOR. The database search did not identify any Calsites facilities within a one mile radius of the subject property.

Solid Waste Information System (SWIS): This database of solid waste facilities and landfills (SWF/LF), provided by the State Integrated Waste Management Board, consists of active, closed, and inactive landfills. The database search did not identify any SWF/LF facilities within a 0.50 mile radius of the subject property.

Underground Storage Tank (UST) Sites: The California State Water Resources Control Board (SWRCB) UST inventory list was reviewed to determine if any USTs are located adjacent to the subject property. The database search identified one UST facility adjacent to the subject property.

- 1) Baker (LAWD), 21082 Wisteria. No information is reported regarding this UST. There is additional information regarding USTs for this address under the HIST UST section and Section 4.3.1, Orange County Health Care Agency (OCHCA) records.

Leaking Underground Storage Tank (LUST) Sites: The EPA maintains lists of information pertaining to reported LUSTs in the state. The database search identified one LUST facility within one-half mile of the subject property.

- 1) Los Alisos Water District, 21082 Wisteria, located approximately 500 feet south of the planned residential development. A release was discovered on August 30, 1989 during tank closure activities and was reportedly diesel fuel oil and additives, Nos. 1-D, 2-D, 2-4, that affected soil only. The case was closed on February 28, 1990. No information on any fuel USTs was reviewed in the file provided by the OCHCA for 21082 Wisteria.

According to Ms Annette Subriar from the Regional Water Quality Control Board (RWQCB), they did not have any files for 21082 Wisteria. The Geotracker database maintained by the RWQCB for LUST sites was reviewed on April 11, 2008, and the file listed above was available for 21082 Wisteria. The site location was plotted at Wisteria and Azalea (the location of the IRWD Maintenance Facility) and case was listed as closed.



According to a file review conducted at the Orange County Health Care Agency (OCHCA) on April 9, 2008, a former 600-gallon water UST had been associated with 21082 Wisteria; however, there was no information regarding any current or former diesel USTs.

Based on the closed status of the UST and that it affected soils only, it is not expected to negatively impact the subject property.

California Facility Inventory Database (CA FID): The CA FID contains active and inactive underground storage tank locations. The source is the SWRCB. The database search identified no CA FID facilities located on or adjacent to the subject property.

Historical UST Registered Database (HIST UST): A review of the HIST UST list identified one HIST UST facility located adjacent to the subject property.

- 1) V.P. Baker Filtration Plant, Palmwood North of Peachwood, was listed as operating three USTs. Two of the USTs were reported to have been 1,000 gallons in capacity and installed in 1980, one containing unleaded fuel and the other premium fuel. The installation date of the third UST was not reported and it was listed as a 1,000 gallon UST containing diesel fuel. The removal dates for the USTs were not listed.

The IRWD did not provide any information regarding present or former USTs located on the subject property or at the maintenance facility located at 21082 Wisteria. There was no information regarding these USTs on file with the OCHCA. The OCHCA only had records pertaining to a 600 gallon waste water UST that was removed from the Baker Filtration Plant located at 21082 Wisteria in 2002. In addition, the previous LUST listing indicated that a diesel UST was removed in 1989, soils were impacted, and the case was closed in 1990. No information was available regarding soil testing when the three USTs were removed; however, it appears that the former USTs were likely located at 21082 Wisteria, the IRWD (former Baker Filtration Plant) maintenance area. It is unlikely that these USTs were located on the subject property and they are expected to have a low probability to adversely affect the subject property.



Statewide Environmental Evaluation and Planning System (SWEEPS): This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1980s. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list. The database search identified no SWEEPS UST facilities on or on adjacent to the subject property.

DEED: Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions and Hazardous Waste Management Program Facility Sites with Deed/Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current and former hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restrictions, or a land use restriction that binds current and future owners. The database search did not identify DEED facilities on the subject property.

Voluntary Cleanup Program (VCP): The VCP Properties list contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs. The database did not identify VCP facilities within 0.5 mile radius of the subject property.

ENVIROSTOR: The DTSC's ENVIROSTOR database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (i.e. NPL); State Response, including Military Facilities and State Superfund; VCP; and School sites. ENVIROSTOR provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites. The database did not identify any ENVIROSTOR facilities within 1.0 mile radius of the subject property.



Indian Reserve (INDIAN RESERV): The INDIAN RESERV list identifies Indian administered lands of the United States that have an area equal to or greater than 640-acres. The database search did not identify INDIAN RESERV properties within 1.0mile radius of the subject property.

INDIAN LUST: The INDIAN LUST database lists leaking underground storage tank locations on Indian Land. The database search did not identify INDIAN LUST facilities within 0.5 mile radius of the subject property.

INDIAN UST: The INDIAN UST database lists underground storage tank locations on Indian Land. The database search did not identify INDIAN UST facilities on the subject property

Unmapped Listings: Several properties were listed within the EDR<sup>®</sup> Radius Report as “unmapped listings”. Unmapped listings are properties without a complete street address and therefore cannot be located on a map. Leighton reviewed these listings and determined if the properties were possibly located near the subject property. There were four listings for 21082 Wisteria, which is located to the south of the proposed residential and civic center development, but is associated with the proposed park property to the south. Site reports were obtained for these listings are included with the EDR Radius Report. The results of the findings are summarized in the above sections.

None of the remaining listings were determined to be located near the subject property. Based on the information provided in the EDR<sup>®</sup> Radius Report, the unmapped sites determined not to be on or near the site unlikely to have the potential to adversely impact the subject property.

El Toro MCAS: The El Toro MCAS was identified in the EDR<sup>®</sup> Radius Report as being listed in the NPL, CERCLIS, RCRA TSD, CORRACTS, as well as other databases. The MCAS was commissioned in 1943 as a Marine Corps pilot fleet operating facility and in 1950 the station was developed as a master jet station and permanent center for Marine Corps aviation on the west coast. The Station operated and maintained military aircraft and ground-support equipment. These activities generated oils, solvents, paint residues, hydraulic fluid, used batteries, and other wastes. Wastes were placed in unlined on-Station landfills, and burned or covered with soil. The first indication of contamination at the Station occurred during routine water-quality monitoring in 1985, when the Orange County Water District (OCWD) discovered trichloroethene (TCE) in groundwater at an



irrigation well located approximately 3,000 feet downgradient of the El Toro MCAS. In July 1987 the Santa Ana RWQCB issued a cleanup and abatement order to the Marine Corps and in June 1988, the U.S. EPA recommended adding the El Toro MCAS to the NPL of the Superfund Program due to volatile organic compounds (VOC) groundwater contamination at the Station boundary and in the agricultural wells west of the Station. The El Toro MCAS was added to the NPL on February 15, 1990. Since that time, numerous environmental assessments and remediation techniques have been conducted.

The El Toro MCAS was closed on July 2, 1999. Environmental compliance and restoration activities have continued since Station closure. A variety of contaminants in the groundwater, soil, surface water, and soil have been identified. Contaminants in the soil and sediment consisted primarily of low concentrations of semi-volatile organic compounds (SVOCs), petroleum hydrocarbons, pesticides, herbicides, and PCBs. During a Phase I Remedial Investigation issued in 1994, the source of contamination for regional groundwater was found to be in the southwest quadrant of the Station, but no specific source was identified.

Due to the distance of the former El Toro MCAS to the subject property being located approximately 3,100 feet to the northwest of the subject property, and due to the northwesterly groundwater gradient indicated on the OCWD Groundwater Gradient Maps (OCWD, 2006), releases at the former El Toro MCAS are considered to have low potential to have adversely impacted the subject property.

#### 4.3 Additional Environmental Record Sources

##### 4.3.1 Regulatory Agency Consultations

Leighton requested regulatory records from the agencies listed below for the following addresses associated with the subject property and/or adjacent properties: 20996 Marin (former IRWD administration building), Lake Forest; 21082 and 21084 Wisteria, Lake Forest (IRWD maintenance yard and treatment facilities). A request was also made to the Orange County Health Care Agency (OCHCA) and to the Orange County Fire Authority (OCFA) for records by facility name for the Baker Filtration Plant, El Toro. The agency response letters are included in Appendix H.



Southern California Air Quality Management District (SCAQMD)

The SCAQMD online Facility Information Detail (FIND) database, a web tool that allows searching for public information regarding SCAQMD-regulated facilities, was reviewed on April 4, 2008, for records associated with the subject property. According to the FIND database, records were available for 21082 Wisteria. The permits are summarized in the following table:

**SCAQMD Permits**

<b>Facility Name</b>	<b>Issue Date</b>	<b>Equipment Description</b>	<b>Status</b>
IRWD	9/27/01	I C E (0-500 HP) EM Elec Gen-Diesel	Active
IRWD	9/27/01	I C E (0-500 HP) EM Elec Gen- NG & LGP	Active
LAWD	9/15/01	I C E (0-500 HP) EM Elec Gen-Diesel	Inactive
LAWD	4/16/97	I C E (0-500 HP) EM Elec Gen- NG & LGP	Inactive
LAWD	10/6/89	Sewage treatment (>5 mg/d) Aerobic	Inactive
LAWD	10/6/89	Scrubber, other venting S.S.	Inactive

Department of Toxic Substance Control (DTSC)

On April 4, 2008, a file review request was forwarded to the DTSC-Cypress Division and the DTSC-Chatsworth Division via facsimile.

On April 8, 2008, Ms. Julie Johnson of the DTSC-Cypress office indicated via mail that there were no records for the subject property and on June 18, 2008, Ms. Vivien Tutaan of the DTSC-Chatsworth division indicated via mail that there were no records for the subject property. In addition, on April 23, 2008 Leighton reviewed the online ENVIROSTOR database that provides information and documents on over 5,000 DTSC sites. There were no records for the subject property in the ENVIROSTOR database. The response letter is included in Appendix H.

Santa Ana Regional Water Quality Control Board (RWQCB)

On April 4, 2008, the Santa Ana RWQCB was emailed regarding files associated with the subject property.



According to Ms. August Lucas who responded via phone on April 28, 2008, the Santa Ana RWQCB has files for 20996 Marin and no files for the other addresses requested. According to Ms. Annette Subriar of the Santa Ana RWQCB, the file was for the Santiago Aqueduct Commission and was enrolled under the diminimus permit program. According to Ms. Subriar, the file for the Santiago Aqueduct Commission did not contain any information regarding underground storage tanks (USTs) or hazardous materials, but was regarding dewatering on the aqueduct at various locations.

In addition, there was a Water Quality 401 Certification obtained in 1995; however, due to its age, this file has not been retained. Issuance of a certification means that the Department of Ecology anticipates that the applicant's project will comply with state water quality standards and other aquatic resource protection requirements under the Department of Ecology's authority.

#### Orange County Health Care Agency (OCHCA)

On April 4, 2008, a file review request was forwarded to the OCHCA via facsimile.

On April 8, 2008, the OCHCA responded via telephone that a file existed for the Baker Filtration Plant located at 21082 Wisteria. On April 9, 2008, the OCHCA file concerning 21082 Wisteria, Lake Forest was reviewed. The site formerly had a 600-gallon waste water underground storage tank (UST). It is unknown when the tank was installed. The Xerxes UST was a single walled fiberglass reinforced plastic (FRP), 600-gallon tank measuring approximately 6.5 feet by 4 feet in diameter and located approximately 3.5 feet below ground surface. Approximately 85 feet of piping was present, composed of 2-inch PCV enclosed in 4-inch FRP. The tank was used as a waste water collection tank, collecting water used to clean autos and equipment in the cleaning area.

On December 19, 2002 the 600-gallon UST was removed from the facility. The OCHCA inspector reported the UST to be in good condition with no cracks or obvious corrosion observed. Soil samples were collected and clean fill was used to fill the void left by the tank. On January 8, 2003, contractors returned to remove the remaining piping from the former UST and sump. Soil samples were collected and sent to Del Mar Labs. Both sets of samples from the tank removal and the later piping removal showed no soil contamination in the area surrounding the former UST.



The wastes generated at the facility were reported to consist mainly of oily waste water and oily soil and debris. A waste manifest dated October 5, 2001 shows the waste materials generated on site to include Waste Flammable Liquids, Waste Aerosols (Flammable), Waste Propane, and Waste Corrosive Liquids. A manifest dated October 10, 2001 included Non-RCRA Hazardous Waste Liquid and Non-RCRA Hazardous Waste Solid in quantities totaling two drums and one poly. A manifest dated September 25, 2001 was for an oil/water mixture of Non-RCRA Hazardous Waste Liquid in the amount of 300 gallons.

Copies of waste manifests, the UST removal letter, and a site map are included in Appendix H. The former UST and all of the hazardous materials appear to be associated with the maintenance building area of the Baker Filtration Plant and do not appear to be associated with the subject property, including the proposed park area at the southern portion of the site.

Orange County Fire Authority (OCFA)

On April 4, 2008, a file review request was forwarded to the OCFA via facsimile.

On April 8, 2008, the OCFA responded that there were files associated with the request and the records were received via facsimile on April 23, 2008. Business records (Routine Inspection Reports) were received for 20996 Marin and 21082 Wisteria and are summarized in the tables below. The records are included in Appendix H.

**20996 Marin, Irvine Ranch Water District**

Date	Comments
12/13/2005	Inspection Category 5 (No hazardous materials). One fire protection violation, cleared January 17, 2006. No chemicals.



**21082 Wisteria, IRWD, V P Baker Filtration Plant**

Date	Comments
03/12/2008	Inspection Category 4 (Low/Routine Hazards). No violations noted. Chemicals – Propane, permit 12/15/2007.
03/12/2008	Inspection Category 2 (High Hazards). No violations noted. Chemicals – diesel fuel No. 2 – Petroleum mid – distill; Diesel fuel Napthalene. Combustible liquids permit March 4, 2003.
3/12/2007	Inspection Category 4 (Low/Routine Hazards). No violations noted. Chemicals – Diesel. Combustible liquids permit December 15, 2005.
01/23/2008	Inspection Category 5 (No hazardous materials). Chemicals – sodium hypochlorite, aqueous ammonia (ammonium hydroxide). Listed for IRWD Los Alisos Emergency Reservoir.

State of California Radon Survey

The California Department of Health Services (DHS) maintains an online database of California indoor radon levels sorted by zip code. According to this database, 18 radon tests have been conducted within the zip code of 92630 (the subject property's zip code). Of these 18 tests, none detected radon above the EPA action level of 4 picoCuries per liter (pCi/L) (DHS, 2005).

In addition, the EDR<sup>®</sup> Radius Report indicates that Orange County is located in EPA Radon Zone 3. According to the EPA, buildings in zone 3 typically have radon levels less than 2 pCi/L. Therefore, the potential for elevated levels of naturally occurring radon at the subject property appears to be low.

**4.3.2 Previous Environmental Assessment Reports**

Leighton did not review any previous environmental assessment reports as part of this project.

**4.4 Historical Use Information on the Property**

Leighton reviewed selected historical information on the subject property. These references were reviewed for evidence of activities, which would suggest the potential presence of hazardous substances at the subject property and to evaluate the potential for the subject property to be impacted by offsite sources of contamination. The following paragraphs are a chronological summary of the review.



#### 4.4.1 Aerial Photographs

Historical aerial photographs were reviewed using the EDR<sup>®</sup> Aerial Photo Decade Package, dated March 31, 2008, for information regarding past site uses. Copies of the aerial photographs are included in Appendix I. Aerial photographs were reviewed for the following years: 1938, 1946, 1953, 1968, 1977, 1989, 1994, and 2002.

In the **1938, 1946, 1953, and 1968** aerial photographs, the subject property and adjacent sites appeared to be primarily vacant land. An unimproved dirt road appeared to transect the western portion of the site by at least 1946 and another through the southern portion by 1968, and a small structure appeared to be located at the terminus of the road; however, it is unknown what the structure may have been. The western portion of the subject property appeared to be terraced and may have been used for agricultural purposes.

In the **1977** aerial photograph, the subject property appeared to be vacant land that was used for agricultural purposes, with unimproved roads. The east-west trending road appeared to extend further than in the 1968 aerial photograph and curved into a north-south trending road. The small structure observed in the 1968 aerial photograph at the terminus of the road appeared to still be present. The adjacent sites to the north, east, and a portion of the western adjacent property also appeared to be used for agricultural purposes. The adjacent site to the south appeared to be occupied by buildings and an AST that are presently part of the IRWD facility. The present location of the southern water AST appeared to not yet have been constructed and may have been a water pond, as well as another pond feature (possible water storage or treatment) in the southern corner of the IRWD property.

In the **1989** aerial photograph, large portions of the subject property appeared to be undergoing grading activities. Unimproved roads appeared to transect portions of the site. No structures appear to be present on the subject property.

The adjacent site and surrounding vicinity to the north appeared to be undergoing grading activities. The adjacent property to the east appeared to be occupied by a strip of vacant vegetated land followed by residential dwellings. The adjacent property to the south appeared to be occupied by the IRWD facility and the current two sixteen million water AST reservoirs appeared to be undergoing



installation. The adjacent property to the west appeared to be occupied by residential dwellings and vacant vegetated land.

In the 1994 aerial photograph, grading activities appeared to have ceased and a large portion of the subject property, excluding portions of the site perimeter, appeared to be occupied by fill material. A commercial structure (the former administrative building) was located at the southwestern portion of the subject property.

Grading activities appeared to be complete to the north of the subject property, and paved roads had been laid; however, no structure had been constructed. The remaining adjacent properties appeared to be relatively unchanged from the 1989 aerial photograph.

In the 2002 aerial photograph, the subject property and surrounding vicinity appeared to be relatively unchanged from the 1994 aerial photograph, with the exception of the area to the north where abundant commercial construction had been completed. An office park bordered the subject property to the northwest and commercial and/or industrial warehouse structures bordered the subject property to the north and northeast.

#### 4.4.2 Historical Topographic Maps

Historical topographic maps, provided in the EDR<sup>®</sup> Historical Topographic Map Report dated December 10, 2007, were reviewed for information regarding past site uses. Topographic map coverage of the subject property vicinity is provided by EDR<sup>®</sup> Historical Topographic Map Report *Southern California Quadrangle* (1901), *Corona Quadrangle* (1902), and *El Toro Quadrangle* (1968, 1978, 1981, 1982, and 1997). Copies of the maps have been provided in Appendix F.

In the 1901 and 1902 topographic maps, no structures, roads, or wells were identified onsite or any adjacent sites.

In the 1968 topographic map, an unimproved north-south trending road was depicted along the western portion of the subject property and an east-west trending road through the southern portion of the proposed redevelopment area. A small unidentified structure appeared to be located at the terminus of the east-west trending unimproved road.



No structures were depicted on the surrounding property with the exception of a small structure located immediately south of the IRWD facility property and another at the eastern edge, with orchard property trending southwest-northeast along the property boundary, following the course of Serrano Creek. A "Drill Hole" was identified to the west of where the current IRWD structures are located at 21082 Wisteria.

In the 1978 topographic map, the subject property and surrounding vicinity appeared to be relatively unchanged from the 1968 map, with the exception that three structures were depicted on the southern portion of the IRWD facility property, at the location of the current structures at 21082 Wisteria. One of the structures appeared to be the northern water AST.

In the 1981 topographic map, the east-west trending road extended further through the property and the small structure along the road was no longer depicted. An additional structure was depicted at the 21082 Wisteria property, as well as one of the former structures being replaced or added onto as a larger rectangular structure. Also, an oval feature was depicted at the southern terminus of the IRWD property, in the location of the proposed park development, and the pattern indicates that it is a sand or mud pit. The adjacent properties appear to be relatively unchanged from the 1978 map with the exception that the orchard at the southeast of the property did not extend as far south as it had previously.

In the 1982 topographic map, the north-south trending road appeared to be paved. The east-west trending road appeared to be depicted as it did in the 1978 topographic map, along with the small structure at its terminus. An additional structure was depicted at the 21082 Wisteria property (appeared to be the small tank currently located to the southwest of the structures). The larger rectangular structure depicted in the 1981 map appeared to be similar in configuration to the structure at the same location in the 1978 map. An additional structure was noted at the southern terminus of the IRWD property (current pump house location). An orchard was no longer depicted to the southeast of the IRWD property, but it was depicted as vegetated land along Serrano Creek.

In the 1997 topographic map, an unimproved north-south trending road was depicted along the west-central portion of the subject property that merged into an improved road in the vicinity of a structure (former administrative building). The small structure from the previous maps shown at the terminus of an east-west trending unimproved road was no longer depicted and the configuration of



unimproved roads had changed. An additional tank structure was depicted on the 21082 Wisteria property and the circular structures were labeled "tanks". The structure to the south of the water tanks that had altered in size between the 1978 and 1982 maps was no longer shown. Structures were not depicted on the surrounding property with the exception of the commercial or residential buildings to the east; however, the green shaded regions may indicate built-up residential areas.

#### 4.4.3 Fire Insurance Maps

Fire insurance maps, or Sanborn<sup>®</sup> maps, are detailed city plans showing building footprints, construction details, use of structure, street address, etc. The maps were designed to assist fire insurance agents in determining the degree of hazard associated with a particular property. Sanborn Maps were produced from approximately 1867 to the present for commercial, industrial, and residential sections of approximately 12,000 cities and towns in the United States.

According to the EDR<sup>®</sup> Sanborn Map Report, dated March 28, 2008, Sanborn Map coverage was not available for the subject property (Appendix J).

#### 4.4.4 Historical City Directories

City Directories have been published for cities and towns across the US since the 1700s. Originally a list of residents, the City Directory developed into a tool for locating individuals and businesses in particular. For each street address listed, the directory recorded the name of the resident or business that operated from this addresses. While City Directory coverage is usually comprehensive for major cities, it may be sporadic for rural areas and small towns. The purpose of the City Directory research was to attempt to determine the businesses that were historically located onsite.

City Directory information obtained for the subject property and surrounding vicinity in included in the EDR<sup>®</sup> City Directory Abstract dated April 8, 2008 (Appendix K). According to the City Directory Abstract, Los Alisos Water District was listed for 20996 Marin in 1991 and 1996. There were no listings for 21082 or 21084 Wisteria. There were additional listings in the vicinity with the exception of four residences on Marin.



#### 4.4.5 Property Tax Files

An assessor's parcel map and Property Detail Reports were obtained from Nationwide Environmental Title Research (NETR) on March 28, 2008 and this information is included in Appendix C.

#### 4.4.6 Recorded Land Title Records

Chain of Title records were not provided by the client and were not reviewed as part of this assessment.

#### 4.4.7 Building Department, Zoning and/or Land Use Records

Building Department, zoning, and/or land use records were requested from the Lake Forest Building Department for 20096 Marin and 21082 and 21084 Wisteria. The first address is associated with the former administrative building and the latter two are associated with the IRWD facility that is located adjacent to the south of the subject property, as well as the pump houses that are located in the proposed park redevelopment area at the southern terminus of the IRWD property. There were no permits associated with 21084 Wisteria. Below is a summary for the permits on file for the requested address. All of the permits for 21082 Wisteria pertain to the IRWD yard located southeast of Marin and Wisteria (offsite). The building permits are included in Appendix L.

##### **20996 Marin**

<b>Date</b>	<b>Owner</b>	<b>Permit Type</b>
10-11-1990	Los Alisos Water District	Construct administrative facility*

\*The building permit was originally issued by the Orange County Building Department. Only a building permit reference card was on file with the Lake Forest Building Department. According to Margo Cartirita with the Orange County Building Department, all Lake Forest records were sent to the city and were not retained by Orange County.

##### **21082 Wisteria**

<b>Date</b>	<b>Owner</b>	<b>Permit Type</b>
09-30-1992	Los Alisos Water District	Construct vehicle maintenance shop
10-05-1992	Los Alisos Water District	Plumbing permit
10-07-1992	Los Alisos Water District	HVAC permit
10-08-1992	Los Alisos Water District	Electrical permit
03-28-1993	Los Alisos Water District	Construct Warehouse



#### 4.4.8 Other Historical Sources

Additional resources were not researched as a part of this assessment.

#### 4.4.9 Prior Assessment Usage

No prior assessments were reviewed as part of this study.

#### 4.4.10 Summary of Historical Land Use

Based on historical records, the northern portion of the subject property (proposed residential area) appeared to have consisted of vacant land that may have been used for agricultural purposes prior to 1990. Portions of the Baker Filtration Plant (IRWD Facility) to the south of the proposed residential structures on the subject property appeared to have been constructed by at least 1977. The proposed park area of the subject property appeared to have a pond located on it in 1977 and the pump features appeared to have been constructed by at least 1989. The IRWD administration building was constructed in the west-central portion of the subject property in 1990.



## 5.0 SITE RECONNAISSANCE

### 5.1 Methodology and Limiting Conditions

On April 1, 1998, a representative of Leighton, Ms. Meredith Church, a licensed Professional Geologist, conducted a reconnaissance-level assessment of the subject property. The site reconnaissance consisted of the observation and documentation of existing subject property conditions and nature of the neighboring property development within 0.25-miles of the subject property. Photographs of the subject property are presented in the Photo Document (Photo Nos. 1-16), Appendix B, and their view directions and items observed during the site reconnaissance are noted on the Site Plan, Figure 2.

### 5.2 General Site Setting

The subject property consists of approximately 44 acres located south of Commerce Centre Drive and Biscayne Bay Drive (Figure 1). A former IRWD administrative office building is located at the southwestern portion of the subject property. The remainder of the site consists primarily of vacant vegetated land, with the exception of pump structures located at the southern corner of the subject property and the IRWD facility property. The subject property slopes towards the south with a maximum topographic relief of approximately 100 feet.

The adjacent properties to the northwest are occupied by office parks and to the north by office/warehouse business parks. Sunstate Equipment Company is located to the east of the subject property, at the eastern terminus of Indian Ocean Drive. Between the proposed residential and public facilities (City Hall) portion of the subject property to the north and the proposed park to the south, there exists two large water UST reservoirs, two water ASTS, and IRWD support structures (warehouses and former maintenance yard). The remaining adjacent sites consist of vacant land and residential dwellings.

### 5.3 Exterior and Interior Observations

#### 5.3.1 Hazardous Substances, Drums, and Other Chemical Containers

No hazardous substances, drums, or chemical containers were observed on or around the subject property.



### 5.3.2 Underground Storage Tanks (USTs) and Aboveground Storage Tanks (ASTs)

No USTs or ASTs were observed on the subject property. Two sixteen million gallon water USTs and two large water ASTs were observed adjacent to the south of the subject property (Figure 2); they are reservoirs operated by the IRWD. In addition, a propane AST was observed at the IRWD facility (21082 Wisteria).

### 5.3.3 Polychlorinated Biphenyls (PCBs)

PCBs were once used as industrial chemicals whose high stability contributed to both their commercial usefulness and their long-term deleterious environmental and health effects. PCBs can be present in coolants or lubricating oils used in older electrical transformers, hydraulic systems, and other similar equipment. In 1979, the USEPA generally prohibited the domestic use of PCBs in electrical capacitors, electrical transformers, vacuum pumps, hydraulic pumps, and gas turbines.

Two pad-mounted transformers were observed at the subject property. One was located to the south of the former administrative building (Photo No. 6) and the other was located to the north of a pump house located at the southern corner of the subject property (Photo No. 12). No staining or cracking of the concrete was observed around the transformers. Based on the date of construction of the former administrative building in 1990, the transformer is not expected to have used PCB containing oil. The transformer and the pump house at the southern portion of the property is reported to remain in operation by the IRWD.

### 5.3.4 Waste Disposal

A trash bin enclosure was observed to the south of the former administrative building; however, it did not contain a trash receptacle at the time of the site reconnaissance (Photo No. 6). No staining cracking of the concrete was observed in the vicinity of the trash enclosure.

A waste bin was observed to the east of the former administrative building and was filled with asphalt debris from the preliminary demolition activities.

### 5.3.5 Dumping

Evidence of dumping was not observed on the subject property.



#### 5.3.6 Pits, Ponds, Lagoons, Septic Systems, Wastewater, Drains, Cisterns, and Sumps

Numerous concrete lined and unlined storm water drainage channels and storm drains were observed at the subject property (Photo Nos. 6 and 12). Two pump houses were observed at the southern corner of the subject property (Photo Nos. 12 and 13).

#### 5.3.7 Pesticide Use

Pesticide use was not observed on the subject property.

#### 5.3.8 Staining, Discolored Soils and/or Corrosion

No stained, discolored, or corroded soils or surfaces were observed on the subject property.

#### 5.3.9 Stressed Vegetation

Stressed vegetation was not observed on the subject property.

#### 5.3.10 Unusual Odors

Unusual odors were not detected on the property.

#### 5.3.11 Onsite Wells

Oil, gas production, or groundwater monitoring wells were not observed or reported at the subject property.

#### 5.3.12 Other Observations

No other items were observed on the subject property.



## 6.0 INTERVIEWS

Leighton conducted interviews with persons having knowledge of current or past subject property usage. Interviews are conducted either orally or in the form of a written questionnaire.

### 6.1 Interview with Owner

On April 23, 2008, Mr. Rob Jacobson, the Assistant Treasurer with the IRWD was interviewed via telephone conversation regarding the subject property. According to Mr. Jacobson, the Baker Filtration Plant facility located at 21082 Wisteria is not part of the property transaction to Lewis Homes. Mr. Jacobson stated that the pump house facilities located at the southern portion of the IRWD facility property, in the area of the proposed park redevelopment, will remain as is, and that a portion of that area may be dedicated to the city; however, negotiations are ongoing. Mr. Jacobson was not aware of any environmental concerns associated with the subject property (areas to be redeveloped for residential or public facility usage); however, he stated that he was not familiar with the operations aspect of the Baker Filtration Plant, and requested another individual to call Leighton; however, an additional call was never received. Mr. Terry Lumas, Treasurer with the IRWD agreed with the statements made by Mr. Jacobson.

On April 1, 2008, Mr. Chris Lum, an electrical instrumentation technician with the IRWD was orally interviewed regarding the subject property and the IRWD facility property. Mr. Lum was not aware of any hazardous materials, USTs, or any environmental concerns associated with the property proposed for redevelopment, and that the administrative offices had not been used for any other purposes to his knowledge. Mr. Lum indicated that sodium hypochlorite (strong bleach) was added to the two sixteen million gallon water UST reservoirs for purification purposes. Mr. Lum stated that the facility at 21802 Wisteria had a former maintenance facility and that hazardous materials may have been used there but he was unfamiliar with the former uses of that area.

### 6.2 Interview with Site/Property Manager

See Section 6.1.

### 6.3 Interviews with Occupants

See Section 6.1.



#### 6.4 Interviews with Local Government Officials

Leighton did not interview employees with local government agencies to request information regarding historic and current uses of the subject property with the exception of those noted in Section 4.2.

#### 6.5 Interviews with Others

Leighton Consulting did not conduct other interviews for this Phase I ESA with the exception of the User Interview described in Section 3.0.



## 7.0 FINDINGS

Leighton and Associates, Inc. (Leighton) performed a Phase I Environmental Site Assessment (ESA) of the proposed residential development, public facilities, and park at the former Irvine Ranch Water District (IRWD), Lake Forest, California (Figure 1).

### 7.1 Onsite

Based on historical records, the northern portion of the subject property (proposed residential area) appeared to have consisted of vacant land that may have been used for agricultural purposes prior to 1990. Portions of the Baker Filtration Plant (IRWD Facility) to the south of the proposed residential structures on the subject property appeared to have been constructed by at least 1977. The proposed park area of the subject property appeared to have a pond located on it in 1977 and the pump features appeared to have been constructed by at least 1989. The IRWD administration building was constructed in the west-central portion of the subject property in 1990.

A search of selected government databases was conducted by Leighton using the EDR<sup>®</sup> Radius Report and the subject property was identified in the report. Los Alisos Water District, 20996 Marin, was listed on the Haznet database that records facility and manifest data. The waste category was listed as oil/water separation sludge, waste oil and mixed oil, aqueous solution with less than 10% total organic residues, unspecified oil-containing waste, paint sludge, other organic solids, alkaline solution without metals (pH > 12.5), off-specification, aged, or surplus inorganics, other inorganic solid waste, unspecified solvent mixture waste, and laboratory waste chemicals. Based on the site usage of 20996 Marin as an IRWD administrative office, it is likely that these wastes were associated with the IRWD Baker Filtration Plant located on the property at 21082 Wisteria. The waste manifests reviewed for 21082 Wisteria at the Orange County Health Care Agency (OCHCA) are consistent with the wastes listed above as reported in the EDR<sup>®</sup> Radius Report. Based on the interviews stating that no hazardous materials were known to have been used on the subject property, the site history, and the files reviewed, this listing is considered to have low potential to negatively impact the subject property.

### 7.2 Offsite

The adjacent properties to the northwest are occupied by office parks and to the north by office/warehouse business parks. Sunstate Equipment Company is located to the east of the subject property, at the eastern terminus of Indian Ocean Drive. Between the proposed residential and public facilities (City Hall) portion of the subject property to the north and



the proposed park to the south, there exists two large water UST reservoirs, two water ASTS, and IRWD support structures (warehouses and former maintenance yard). The remaining adjacent sites consist of vacant land and residential dwellings.

A LUST was listed in the EDR<sup>®</sup> Radius Report and Geotracker for Los Alisos Water District, 21082 Wisteria, located approximately 500 feet south of the planned residential development. A release was discovered on August 30, 1989 during tank closure activities and was reportedly diesel fuel oil and additives that affected soil only. The case was closed on February 28, 1990. Based on the location, the closed status of the UST, and that it affected soils only, it is expected to have low potential to negatively impact the subject property.

The V.P. Baker Filtration Plant, Palmwood North of Peachwood, was listed as operating three USTs. Two of the USTs were reported to have been 1,000 gallons in capacity and installed in 1980, one containing unleaded fuel and the other premium fuel. The installation date of the third UST was not reported and it was listed as a 1,000 gallon UST containing diesel fuel. The removal dates for the USTs were not listed.

The IRWD did not provide any information regarding present or former USTs located on the subject property or at the maintenance facility located at 21082 Wisteria. There was no information regarding these USTs on file with the OCHCA. The OCHCA only had records pertaining to a 600 gallon waste water UST that was removed from the Baker Filtration Plant located at 21082 Wisteria in 2002. In addition, the previous LUST listing indicated that a diesel UST was removed in 1989, soils were impacted, and the case was closed in 1990. No information was available regarding soil testing when the three USTs were removed; however, it appears that the former USTs were likely located at 21082 Wisteria, the IRWD (former Baker Filtration Plant) maintenance area. It is unlikely that these USTs were located on the subject property and they are expected to have a low probability to adversely affect the subject property.

### 7.3 Data Gaps

ASTM E 1527-05 requires review of standard historical sources (SHS) at approximate five-year intervals from at least 1940 to the present, or the earliest development of the site. The availability of extensive historical information varies significantly between locations and it is common to have gaps in the data for one or more of the periods where historical property uses are unknown or uncertain. There is also a potential for unidentified uses to have occurred between data points, or prior to the earliest acquired data. The earliest data acquired for the subject property indicating past property usage was from 1938. There were



intermittent gaps throughout the data collected, where historical property uses are unknown or uncertain.

There are data gaps regarding USTs at the maintenance facility of the Baker Filtration Plant located at 21082 Wisteria. At least two former USTs were located at the maintenance facility, a water tank and a diesel UST that had a release to soil but has obtained regulatory closure. The EDR<sup>®</sup> Radius Report listed three USTs operating at the V.P. Baker Filtration Plant, Palmwood North of Peachwood. The exact location, removal dates, and soil sample status is unknown regarding these USTs. However, an individual's contact information has not been provided to Leighton that was familiar with the maintenance facility and may have knowledge of former USTs, and a call or an owner interview form has not been received from the IRWD with information regarding the USTs documented at the Baker Filtration Plant. Based on the historical review of the subject property, it is considered low probability that these USTs were located on the subject property or that they have the potential to adversely impact the subject property; however, it is considered a significant data gap.

A User Interview Form has not been received. Lewis Investment Homes have not indicated knowledge of any environmental concerns associated with the subject property and this data gap is not expected to alter the conclusions or recommendations of this report; although, any specialized knowledge or known valuation reduction for environmental concerns that would alter the conclusions or recommendations of this report should be reported to Leighton, and an addendum issued.

It appears that the subject property has been used previously for agricultural purposes and that pesticides may have been used. Lewis Investment Homes indicated that the IRWD may have information regarding previous agricultural usage, such as whether or not pesticides were used and the location and type of crops. No additional information was provided to Leighton; however, if there is information of this nature it may limit the areas recommended for pesticide sampling.



## 8.0 OPINION

### 8.1 Onsite

It is Leighton's opinion that no items have been identified onsite that would adversely impact the subject property with the exception of past site usage for agricultural purposes with possible pesticide use in the areas of proposed residential development.

### 8.2 Offsite

It is Leighton's opinion that no offsite locations were identified that would adversely impact the subject property.



## 9.0 CONCLUSIONS

Leighton has performed a Phase I ESA in accordance with the scope and limitations of ASTM Practice E 1527-05 of the proposed residential development, public facilities, and park at the former Irvine Ranch Water District (IRWD), Lake Forest, California, the subject property. No data gaps that are expected to alter the conclusions or recommendations of this report were identified by Leighton. Exceptions to, or deletions from this practice are described in Section 1.5 of this report. This assessment has revealed no evidence of RECs in connection with the property with the exception of the following:

- The historical agricultural use of the subject property indicates possible pesticide use.

Based upon the findings of this Phase I ESA, Leighton recommends:

- Perform sampling of near surface soils to determine if agricultural use has impacted the subsurface soil.

In general, observations should be made during any future development activities for features of concern or areas of possible contamination such as, but not limited to, the presence of underground facilities, buried debris, waste drums, tanks, soil staining or odorous soils. Further investigation and analysis may be necessary, should such materials be encountered.



## 10.0 DEVIATIONS

Leighton did not deviate from or alter the scope of work, as defined in Section 1.3 of this report.



## 11.0 ADDITIONAL SERVICES

Leighton did not perform any work outside the scope of work as defined in Section 1.3 of this report.



## 12.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

### 12.1 Corporate

Leighton, Inc. is a California corporation, providing geotechnical and environmental consulting services throughout California. We are solely a consulting firm without interests in real property other than our eight offices in Southern California. We provide professional environmental consulting services including application of science and engineering to environmental compliance, hazardous materials/waste assessment and cleanup, and management of hazardous, solid and industrial waste. Phase I Environmental Site Assessments are a part of this practice area and have been conducted by us.

### 12.2 Individual

The qualifications of the Project Manager and the other Leighton environmental professionals involved in this Phase I ESA meet the Leighton corporate requirements for performing Phase I ESAs as specified by ASTM 1527-05. In addition, Ms. Meredith Church is a Professional Geologist.

### 12.3 Environmental Professional Statement

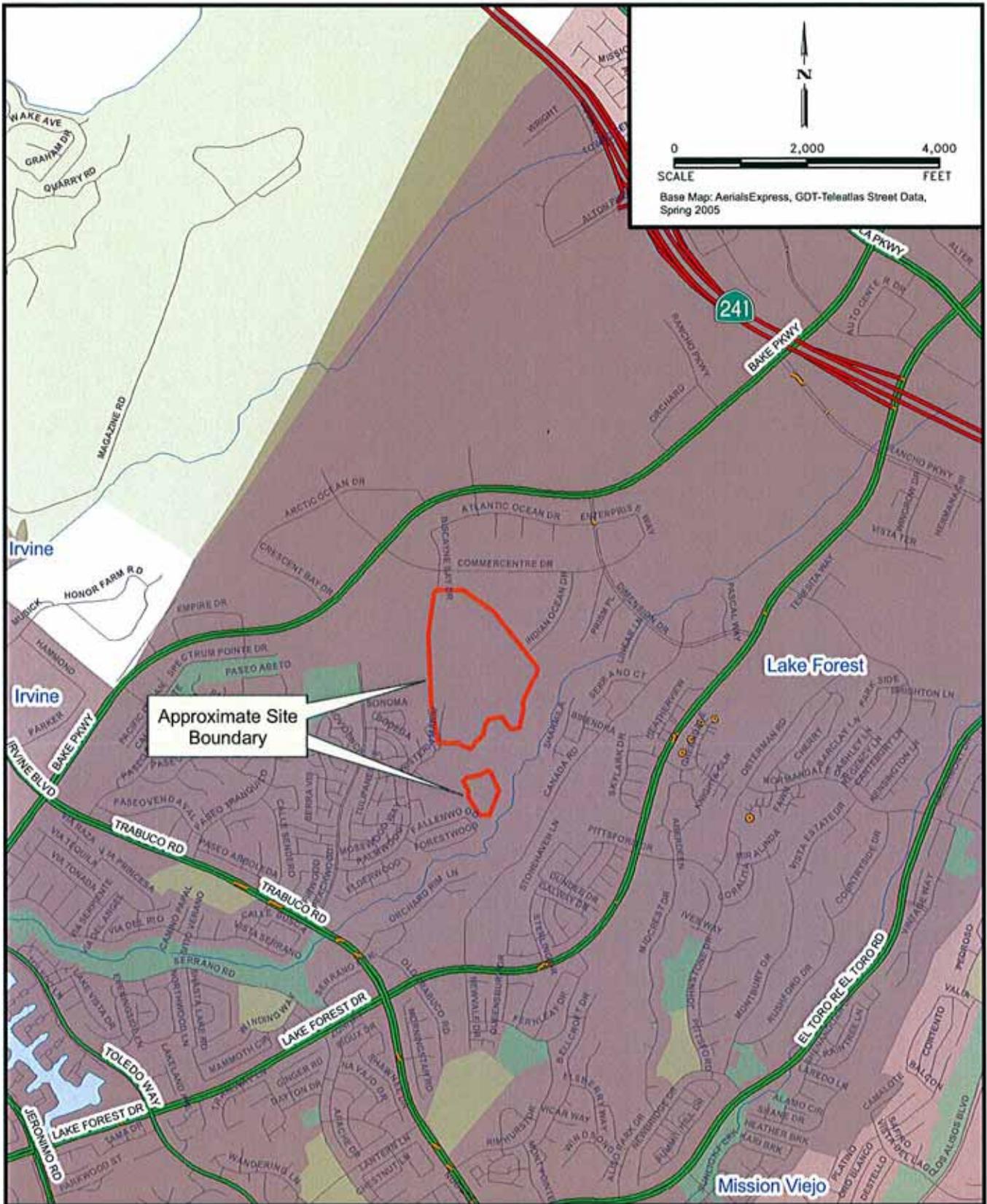
I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental professional as defined by §312.10 of 40 CFR Part 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Meredith Church, P.G.  
Project Geologist





Former IRWD Site  
Lake Forest, California

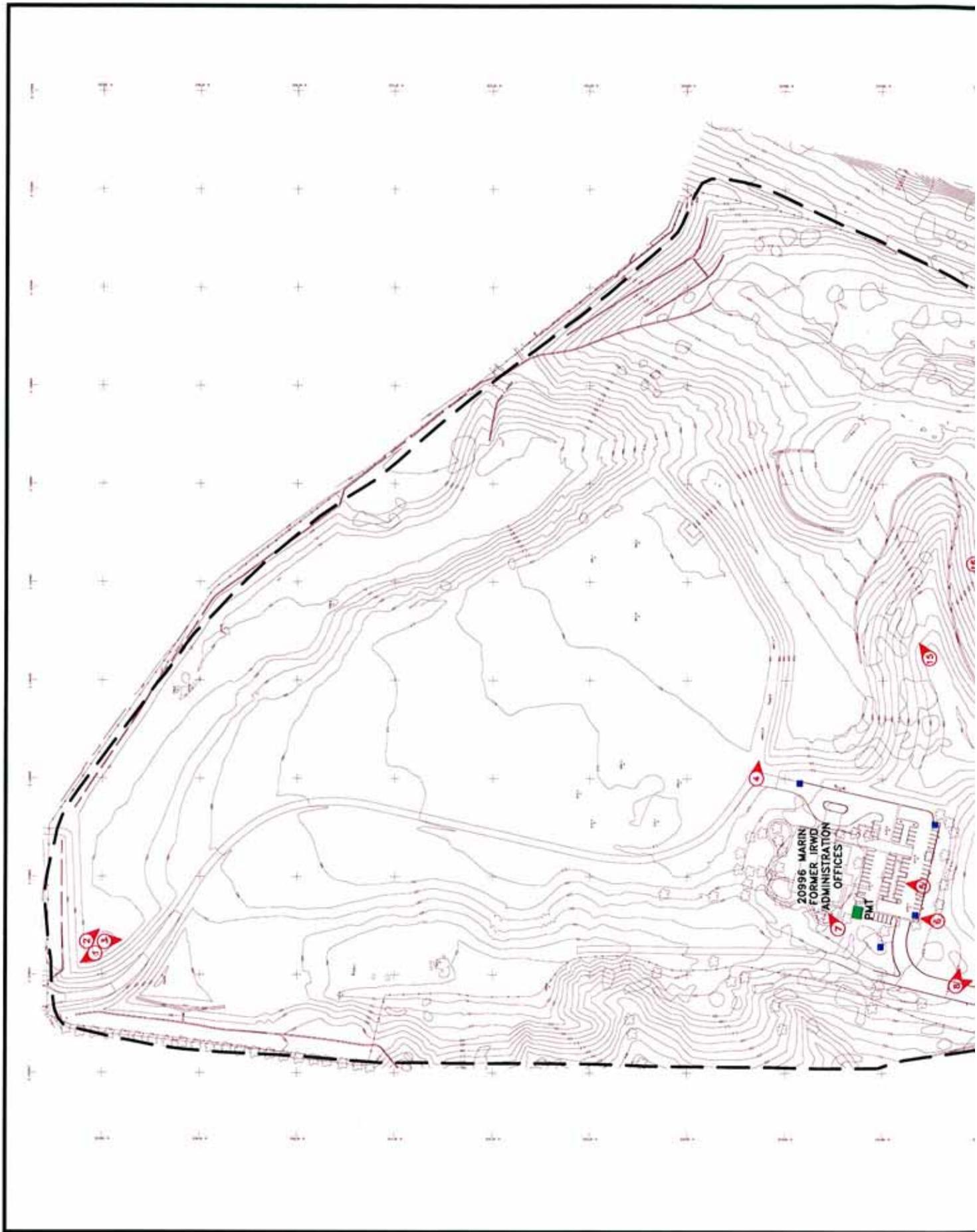
## SITE LOCATION MAP

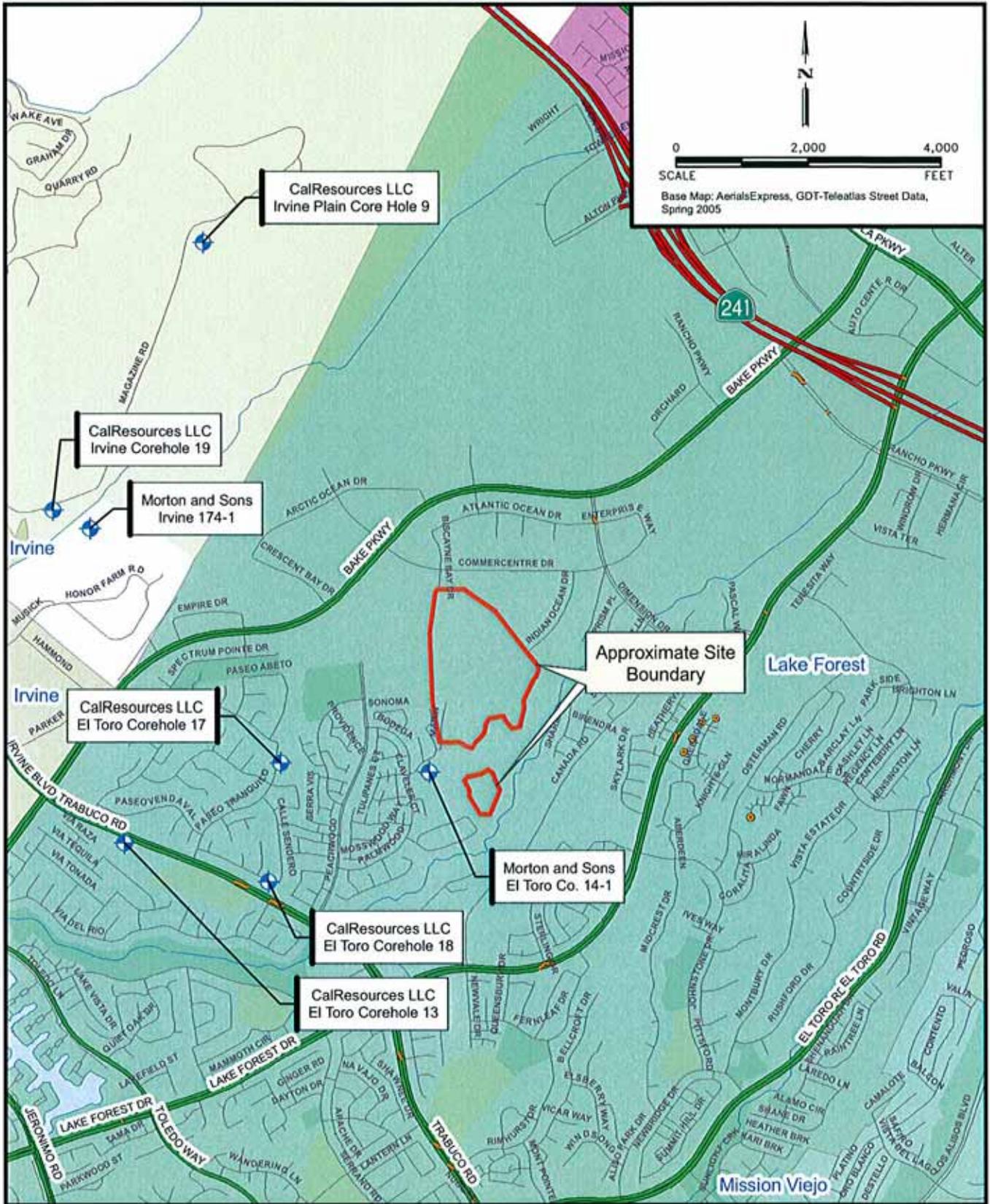
Project No.  
011797-003

Date  
April 2008



Figure 1





N

0      2,000      4,000

SCALE      FEET

Base Map: AerialsExpress, GDT-Teleatlas Street Data, Spring 2005

**Former IRWD Site  
Lake Forest, California**

**OIL WELL  
LOCATION  
MAP**

Project No.  
011797-003

Date  
April 2008

  
**Figure 3**

A

## APPENDIX A

References

American Society for Testing and Materials, ASTM, 2005, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-05, dated November 1, 2005.

California Department of Health Services (DHS) Radon Program, Statewide Radon Database, <http://www.dhs.ca.gov/radon/default.htm>, updated July 9, 2007.

California Division of Mines and Geology, 2001, Seismic Hazard Zones Report for the El Toro 7.5-Minute Quadrangle, Orange County, California, Seismic Hazard Zone Report 047.

Division of Oil, Gas, and Geothermal Resources (DOGGR), Regional Wildcat Map 1-4, <ftp://ftp.consrv.ca.gov/pub/oil/maps/dist1/w1-4/Mapw1-4.pdf>, dated February 22, 2004.

EDR<sup>®</sup> Aerial Photo Decade Package, dated March 31, 2008:

<b>Date</b>	<b>Scale</b>	<b>Source</b>
1938	1" : 555'	EDR <sup>®</sup> / Laval
1946	1" : 655'	EDR <sup>®</sup> / Jack Ammann
1953	1" : 555'	EDR <sup>®</sup> / Pacific Air
1968	1" : 480'	EDR <sup>®</sup> / Teledyne
1977	1" : 666'	EDR <sup>®</sup> / Teledyne
1989	1" : 666'	EDR <sup>®</sup> / USGS
1994	1" : 666'	EDR <sup>®</sup> / USGS
2002	1" : 666'	EDR <sup>®</sup> / USGS

EDR<sup>®</sup> City Directory Abstract, dated April 8, 2008.

## APPENDIX A (Continued)

References

EDR® Historical Topographic Map Report, dated March 31, 2008.

<b>Date</b>	<b>Scale</b>	<b>Series</b>	<b>Series &amp; Target Quadrangle</b>
1901	1" : 125,000"	60'	Southern Californian Sheet 1
1902	1" : 125,000"	30'	Corona
1968	1" : 24,000"	7.5'	El Toro
1978 Photorevised 1968	1" : 24,000"	7.5'	El Toro
1981 Photorevised 1968	1" : 24,000"	7.5'	El Toro
1982 Photorevised 1968	1" : 24,000"	7.5'	El Toro
1997	1" : 24,000"	7.5'	El Toro

EDR® Radius Map with GeoCheck®, dated March 28, 2002.

EDR® Site Reports, dated April 2, 2008.

Leighton and Associates, 2008, Preliminary Geotechnical Exploration Report for the Proposed Residential Development, Civic Center, and Park at IRWD Site, City of Lake Forest, California, dated May 7, 2008.

NETR®, 2007, Assessor's Parcel Map and Property Profile Report, dated March 28, 2008.

Southern California Air Quality Management District (SCAQMD), Find Information Detail (FIND), <http://www.aqmd.gov/webappl/fim/default.htm>, dated April 4, 2008.

Yerkes, R.F., McCulloh, T.H., Schoellhamer, J.E. and Vedder, J.G., 1965, Geology of the Los Angeles Basin, California -- An Introduction: U. S. Geological Survey Professional Paper 420-A, 57 p.

B

**SITE PHOTOS**

**PHOTO NO. 1:**

*View of the subject property gate entrance, facing northwest, at Biscayne Bay Drive and the adjacent business parks.*



**PHOTO NO. 2:**

*View of the northern property boundary facing southeast. The commercial warehouse structures are located adjacent to the north of the subject property. Note the drill rig, part of a geotechnical exploration, at the right of the photo.*



**SITE PHOTOS**

**PHOTO NO. 3:**

*View of the western border of the subject property. Note the former administrative building at the far center of the photograph.*



**PHOTO NO. 4:**

*View of a discarded table along a gravel ridge located east of the former administrative building.*



**SITE PHOTOS**

**PHOTO NO. 5:**

*View of the former administrative building and parking lot, facing north-northeast.*



**PHOTO NO. 6:**

*View of a storm drain, pad-mounted transformer, and trash enclosure located south of the former administrative building.*



**SITE PHOTOS**

**PHOTO NO. 7:**

*View of a utility box and a fan/cooling system, located to the west of the former administrative building.*



**PHOTO NO. 8:**

*View of the valley located to the south of the former administrative building. Note the water ASTs located near the right of the photograph.*



**SITE PHOTOS**

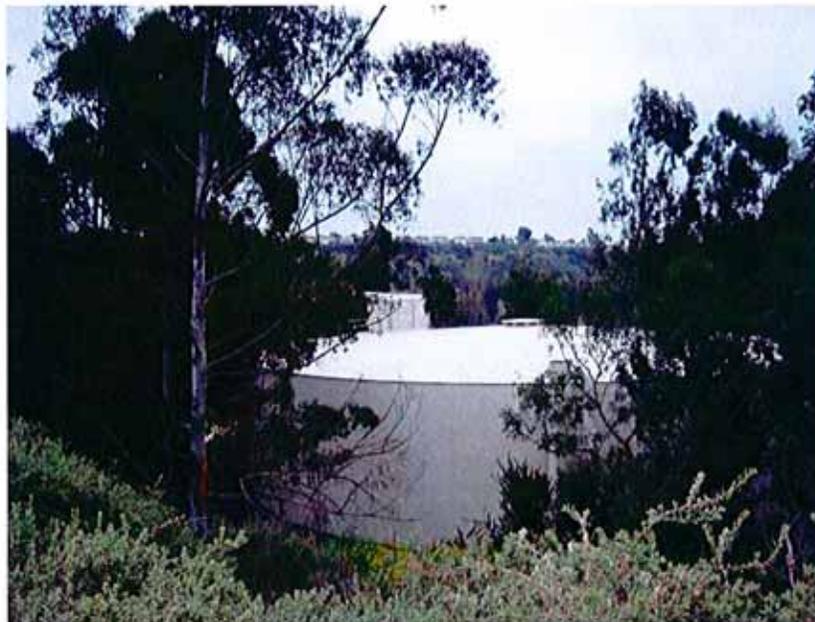
**PHOTO NO. 9:**

*View of entrance to the Irvine Ranch Water District (IRWD) Facility (offsite).*



**PHOTO NO. 10:**

*View of the two large water ASTs located south of the subject property (offsite).*



**SITE PHOTOS**

**PHOTO NO. 11:**

*View of power cables being laid at the southern portion of the subject property.*



**PHOTO NO. 12:**

*View of the pump house and turnout building located at the southern corner of the subject property. Note the sewer rising, storm drain and the pad-mounted transformer.*



**SITE PHOTOS**

**PHOTO NO. 13:**

*View of the Zone B pump house located at the southern corner of the subject property.*



**PHOTO NO. 14:**

*View of the subject property, facing north-northwest, from the central-eastern border of the property.*



**SITE PHOTOS**

**PHOTO NO. 15:**

*View of the subject property facing east-northeast, from near the central portion of the subject property.*

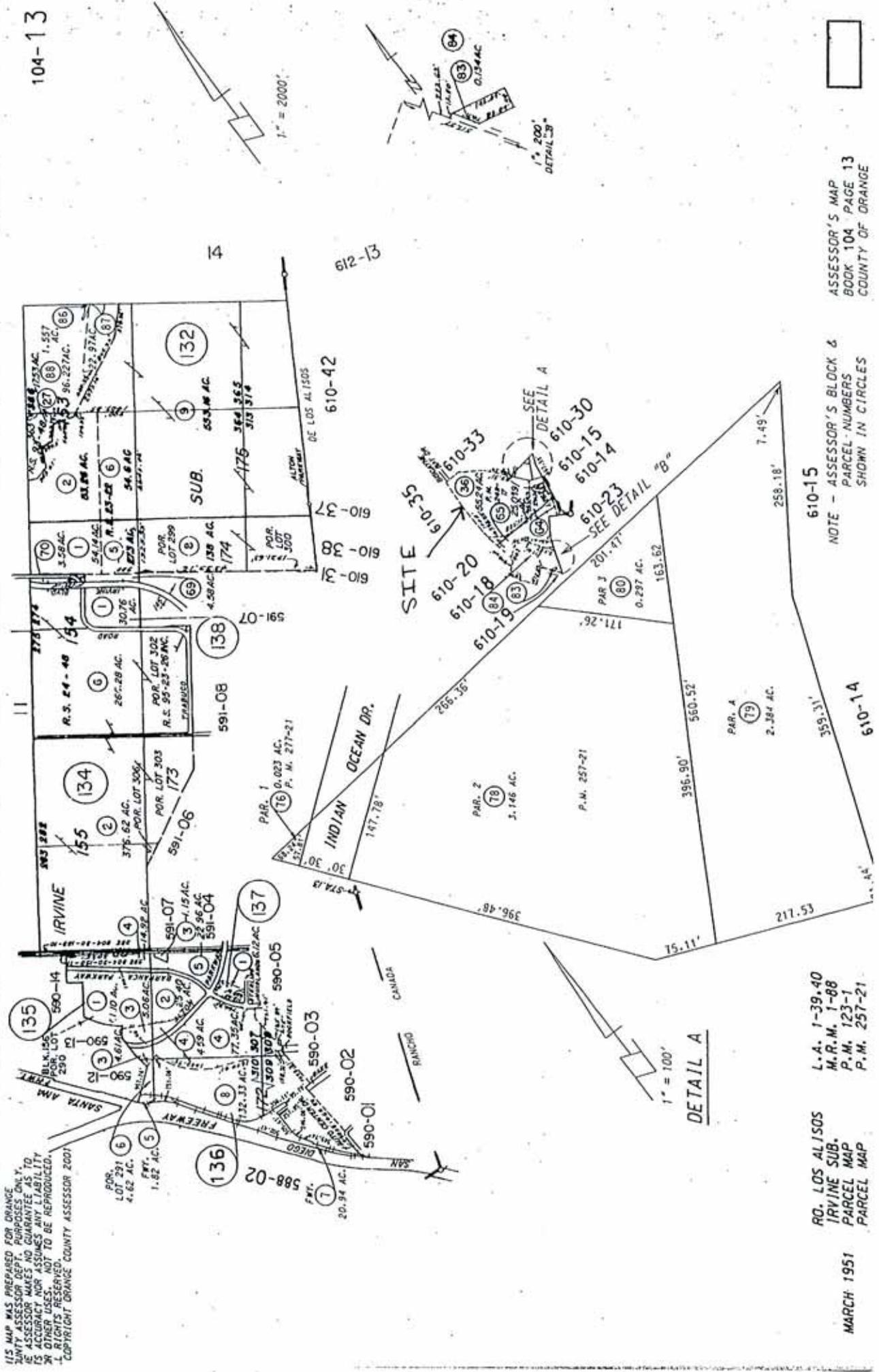


**PHOTO NO. 16:**

*View of the two underground water reservoirs and their associated support features (offsite).*



C



THIS MAP WAS PREPARED FOR ORANGE COUNTY ASSESSOR DEPT. PURPOSES ONLY. THE ASSESSOR MAKES NO GUARANTEE AS TO THE ACCURACY NOR ASSUMES ANY LIABILITY IN ORIGIN. THESE PARCELS ARE TO BE REPRODUCED. COPYRIGHT ORANGE COUNTY ASSESSOR 2001

RG. LOS ALISOS IRVINE SUB. PARCEL MAP  
 L.A. 1-39-40  
 M.P.M. 1-88  
 P.M. 123-1  
 P.M. 257-21

NOTE - ASSESSOR'S BLOCK & PARCEL NUMBERS SHOWN IN CIRCLES

ASSESSOR'S MAP BOOK 104 PAGE 13 COUNTY OF ORANGE

1" = 100'  
 DETAIL A

1" = 2000'

1" = 200'  
 DETAIL "B"

MARCH 1951

Created: 3/28/2008  
Expires: 4/27/2008



## TARGET PROPERTY

▶ Site Address:	20996 MARIN LAKE FOREST, CA 92630		
▶ Mailing Address:	PO BOX 595 LAKE FOREST, CA 92609		
▶ Primary Owner:	LOS ALISOS WATER DIST		
▶ Secondary Owner:			
▶ Legal Description:	RO CANADA DE LOS ALISOS L OT 10 POR OF LOT TR 671		
▶ APN:	10413236		
▶ Use Code	MGOV (Click for description)	▶ Lot Size:	
▶ Number Of Units:	0	▶ Fireplace:	Unknown
▶ Square Feet:		▶ Pool:	Unknown
▶ Total Rooms:	0	▶ Views:	Unknown
▶ Bedrooms:	0	▶ Year Built:	Unknown
▶ Bathrooms:	0.00	▶ Zoning:	
▶ Parking Structure:	Garage	▶ Housing Tract:	671
▶ Parking Spaces:	Unknown	▶ Census Tract:	0524.25
▶ Transfer Date:	1975-08-04T00:00:00	▶ First Loan Amount:	
▶ Transfer Amount:		▶ First Loan Type:	Unknown
▶ Document Number:		▶ Lender:	
▶ Last Transaction:	Unknown	▶ Cost Per Sq. Ft.	
▶ Last Document:	0114741712		
▶ Assessed Value:	\$1,726,268	▶ Tax Amount:	
▶ Land Value:	\$666,319	▶ Tax Status:	Current
▶ Improvement Value:	\$1,059,949	▶ Owner Exemption:	
▶ % Improvement:	61%	▶ Tax Rate Area:	Unknown

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Created: 3/28/2008  
Expires: 4/27/2008



## TARGET PROPERTY

▶ Site Address:	, CA		
▶ Mailing Address:	1535 E 17TH ST J SANTA ANA, CA 92705		
▶ Primary Owner:	AUTUMNWOOD HOMEOWNERS ASSN		
▶ Secondary Owner:			
▶ Legal Description:	RO CANADA DE LOS ALISOS L OT 10 POR OF LOT TR 671		
▶ APN:	10413264		
▶ Use Code	AMSC (Click for description)	▶ Lot Size:	54,973 Sq. Ft.
▶ Number Of Units:	1	▶ Fireplace:	Unknown
▶ Square Feet:		▶ Pool:	Unknown
▶ Total Rooms:	0	▶ Views:	Unknown
▶ Bedrooms:	0	▶ Year Built:	Unknown
▶ Bathrooms:	0.00	▶ Zoning:	
▶ Parking Structure:	Garage	▶ Housing Tract:	671
▶ Parking Spaces:	Unknown	▶ Census Tract:	
▶ Transfer Date:	1981-09-22T00:00:00	▶ First Loan Amount:	
▶ Transfer Amount:		▶ First Loan Type:	Unknown
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▶ Last Transaction:	Unknown	▶ Cost Per Sq. Ft.	
▶ Last Document:	0142271342		
▶ Assessed Value:		▶ Tax Amount:	
▶ Land Value:		▶ Tax Status:	Current
▶ Improvement Value:		▶ Owner Exemption:	
▶ % Improvement:		▶ Tax Rate Area:	Unknown

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Created: 3/28/2008  
Expires: 4/27/2008



## TARGET PROPERTY

▶ Site Address:	, CA		
▶ Mailing Address:	PO BOX 699 LAKE FOREST, CA 92609		
▶ Primary Owner:	LOS ALISOS WATER DIST		
▶ Secondary Owner:			
▶ Legal Description:	RO CANADA DE LOS ALISOS L OT 10 POR OF LOT TR 671		
▶ APN:	10413265		
<hr/>			
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▶ Number Of Units:	0	▶ Fireplace:	Unknown
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▶ Total Rooms:	0	▶ Views:	Unknown
▶ Bedrooms:	0	▶ Year Built:	Unknown
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▶ Parking Spaces:	Unknown	▶ Census Tract:	0524.16
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▶ Last Document:			
<hr/>			
▶ Assessed Value:	\$198,240	▶ Tax Amount:	
▶ Land Value:	\$198,240	▶ Tax Status:	Current
▶ Improvement Value:		▶ Owner Exemption:	
▶ % Improvement:		▶ Tax Rate Area:	Unknown

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Created: 3/28/2008  
Expires: 4/27/2008



## TARGET PROPERTY

▶ Site Address:	, CA		
▶ Mailing Address:	PO BOX 54153 LOS ANGELES, CA 90054		
▶ Primary Owner:	METROPOLITAN WATER DIST		
▶ Secondary Owner:	OF SO CAL		
▶ Legal Description:	RO CANADA DE LOS ALISOS L OT 10 POR OF LOT TR 671		
▶ APN:	10413283		
▶ Use Code	MGOV (Click for description)	▶ Lot Size:	
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▶ Bedrooms:	0	▶ Year Built:	Unknown
▶ Bathrooms:	0.00	▶ Zoning:	
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▶ Last Document:	0000331787		
▶ Assessed Value:	\$26,216	▶ Tax Amount:	
▶ Land Value:	\$26,216	▶ Tax Status:	Current
▶ Improvement Value:		▶ Owner Exemption:	
▶ % Improvement:		▶ Tax Rate Area:	Unknown

NETRonline and its data supplier(s) do not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information in this report since this information is retrieved as it is recorded from the various agencies that make it available.

Created: 3/28/2008  
Expires: 4/27/2008



## TARGET PROPERTY

▶ Site Address:	, CA		
▶ Mailing Address:	PO BOX 595 LAKE FOREST, CA 92609		
▶ Primary Owner:	LOS ALISOS WATER DIST		
▶ Secondary Owner:			
▶ Legal Description:	RO CANADA DE LOS ALISOS L OT 10 POR OF LOT TR 671		
▶ APN:	10413284		
▶ Use Code	MGOV (Click for description)	▶ Lot Size:	
▶ Number Of Units:	0	▶ Fireplace:	Unknown
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▶ Total Rooms:	0	▶ Views:	Unknown
▶ Bedrooms:	0	▶ Year Built:	Unknown
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▶ Transfer Date:		▶ First Loan Amount:	
▶ Transfer Amount:		▶ First Loan Type:	Unknown
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▶ % Improvement:		▶ Tax Rate Area:	Unknown

NETRonline and its data supplier(s) do not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information in this report since this information is retrieved as it is recorded from the various agencies that make it available.

D

# Conceptual Site Plan

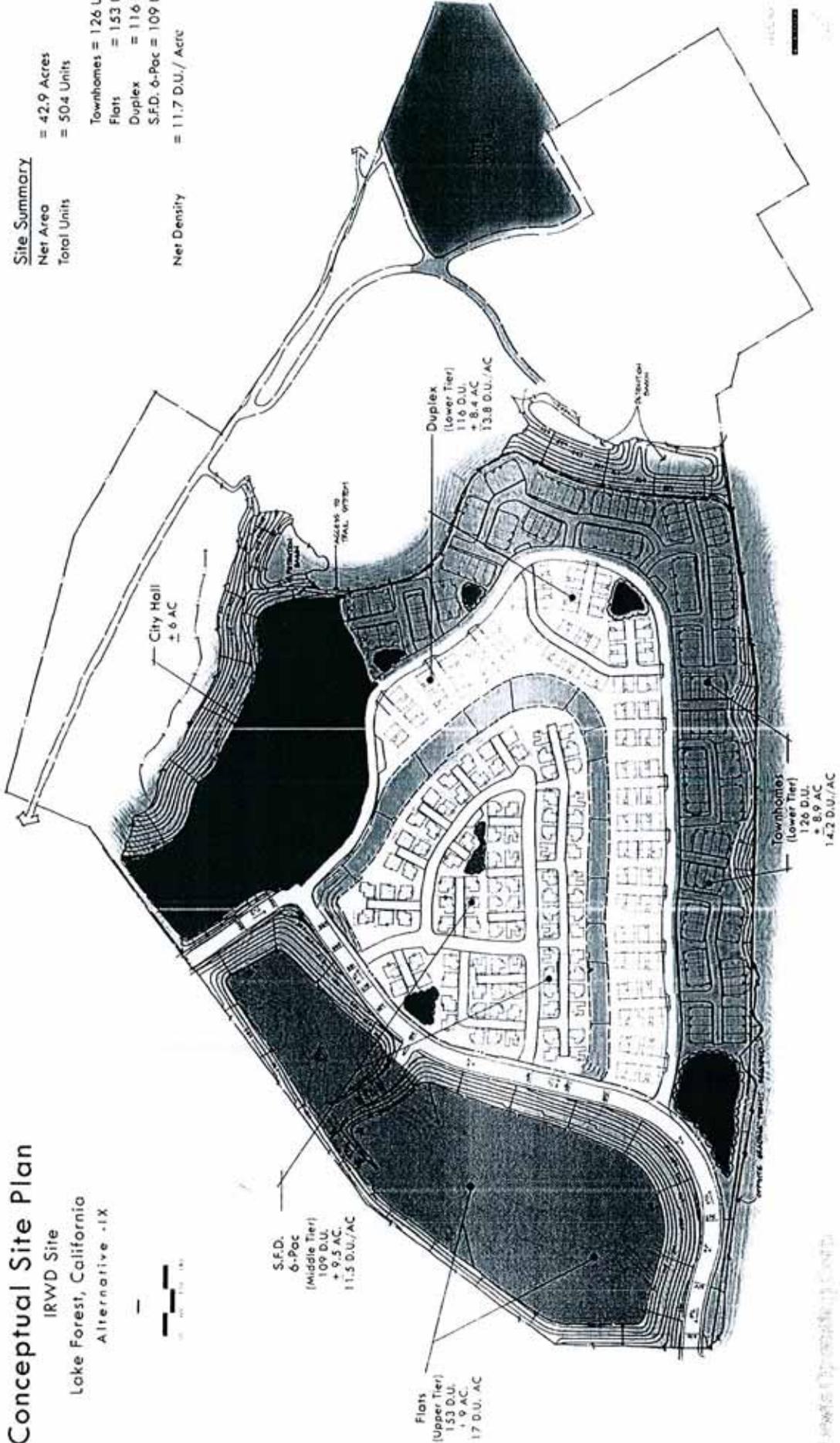
IRWD Site  
 Lake Forest, California  
 Alternative -IX

## Site Summary

Net Area = 42.9 Acres  
 Total Units = 504 Units

Townhomes = 126 Units  
 Flats = 153 Units  
 Duplex = 116 Units  
 S.F.D. 6-Pac = 109 Units

Net Density = 11.7 D.U./Acre



Prepared by: [Faint text]

2

Completed forms were not returned.



Leighton and Associates, Inc.  
A LEIGHTON GROUP COMPANY

**Phase I ESA Owner/Site Contact Interview Form**

Interviewee Name: \_\_\_\_\_ Title: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Relationship to Property: \_\_\_\_\_

Name and Address of Owner of the Property: \_\_\_\_\_

Date of Ownership: \_\_\_\_\_ Site Name: \_\_\_\_\_

Property Address: \_\_\_\_\_

Previous Street Names/Numbers: \_\_\_\_\_

General Business Type/Present Property Use: \_\_\_\_\_

Assessor Parcel Number: \_\_\_\_\_ Total # of Buildings: \_\_\_\_\_

Grand Total Square Footage: \_\_\_\_\_ Date Built: \_\_\_\_\_

Past Property Uses (include dates): \_\_\_\_\_

Source of Potable Water Supply (municipal/groundwater wells): \_\_\_\_\_

Sewage Disposal (municipal/septic) (provide name of utility): \_\_\_\_\_

Means of Heating/Cooling (gas, electric, heating oil, etc.): \_\_\_\_\_

Fuel Source for Heating/Air Conditioning (provide name of utility): \_\_\_\_\_

Neighboring Property Types (commercial/industrial/residential): \_\_\_\_\_

Current Uses of Adjoining Properties: North: \_\_\_\_\_

South: \_\_\_\_\_

East: \_\_\_\_\_

West: \_\_\_\_\_

**ARE THERE NOW, OR HAVE THERE BEEN IN THE PAST, ANY OF THESE ITEMS ONSITE OR ON ADJACENT PROPERTIES:**

ITEM	YES	NO	UNK	ADJACENT PROPERTY
• Hazardous Materials				
• Hazardous Waste				
• MSDS Sheets				
• Underground Storage Tanks				
• Aboveground Storage Tanks				
• Vent Pipes, fill pipes, or access ways indicating a fill pipe to an underground storage area				
• Odors				
• Drums				
• Electrical or hydraulic equipment known to contain PCBs				
• Stained soil or surfaces				
• Drains				
• Sumps				
• Clarifier				
• Pits, ponds, or lagoons				
• Stressed vegetation				
• Areas for dumping solid waste (landfill)				
• Wastewater				
• Wells (oil or gas)				
• Septic Systems				
• Fill Material (if fill material is on site, please state source of fill)				

ADDITIONAL QUESTIONS:	YES	NO	UNK	REMARKS
Has the Site been used as any of the following: gas station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard, or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? If so, state which type of facility.				
Are you aware of any regulatory compliance audit reports, geotechnical reports, Phase I Environmental Site Assessments, or Phase II Environmental Site Assessments, or soil sampling reports prepared for the Site?				
Do you know of any notices or correspondence from any government agency relating to past or current violations of environmental laws with respect to the Site or relating to environmental liens encumbering the Site?				
Do you know of any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Site?				
Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?				
Do you know of any environmental concerns associated with the Site? If so please state in remarks column.				
Do you know of any environmental concerns associated with any adjacent or nearby properties? If so please state in remarks column.				

Current Property Owner's Time Period of Ownership: .....

Property Utilization During Ownership:.....

Name and Address of Past Owners:.....

Additional Comments: .....

Preparer presents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge no material facts have been suppressed or misstated.

Signature

Date



## Phase I ESA Users Questionnaire

**Project Name:**

---

**Project Address or APN:**

---

**Client** (or user of the Phase I Environmental Site Assessment): **Name/Title:**

---

**Client Phone:**

---

Reason Phase I is required:

---

Type of property:

---

Type of property transaction (e.g., Sale, purchase, exchange):

---

Complete and Correct Address of the property and APN(s):

---

Any scope of services beyond the ASTM Practice E 1527:

---

All Parties that will rely on the Phase I report:

---

Name and Contact Information for Site Contact:

---

Any special terms or conditions:

---

Any other pertinent knowledge or experience with the property (e.g., prior reports, documents, correspondence concerning the environmental conditions of the property):

---



---

**(1). Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).**

Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?  Yes |  No

If Yes, Describe:

---

**(2). Activity and land use limitations (AULs) that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).**

Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?  Yes |  No

If Yes, Describe:

---

**(3). Specialized knowledge or experience of the person seeking to qualify for the Landowners Liability Protections (LLP) (40 CFR 312.28).**

As the user of this ESA do you have any specialized knowledge or experience related to the property or the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?  Yes |  No

If Yes, Describe:

---

**(4). Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 DRF 312.29).**

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?  Yes |  No

If Yes, Describe:

---

**(5). Commonly known or reasonable ascertainable information about the property (40 CFR 312.30).**

Are you aware of commonly known or *reasonably ascertainable* information about the property that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as user,

- (a.) Do you know the past uses of the property?  Yes |  No
- (b.) Do you know of specific chemicals that are present or once were present at the property?  Yes |  No
- (c.) Do you know of spills or other chemical releases that have taken place at the property?  Yes |  No
- (d.) Do you know of any environmental cleanups that have taken place at the property?  Yes |  No

If Yes, Describe:

---

**(6). The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).**

As the *user of this ESA*, based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?  Yes |  No

If Yes, Describe:

---



7

# **EDR Historical Topographic Map Report**

**Former IRWD Site  
Commercentre Drive/Biscayne Parkway  
Drive**

**Lake Forest, CA 92630**

**Inquiry Number: 2181254.4**

**March 31, 2008**



**EDR**® Environmental  
Data Resources Inc

## **The Standard in Environmental Risk Information**

440 Wheelers Farms Rd  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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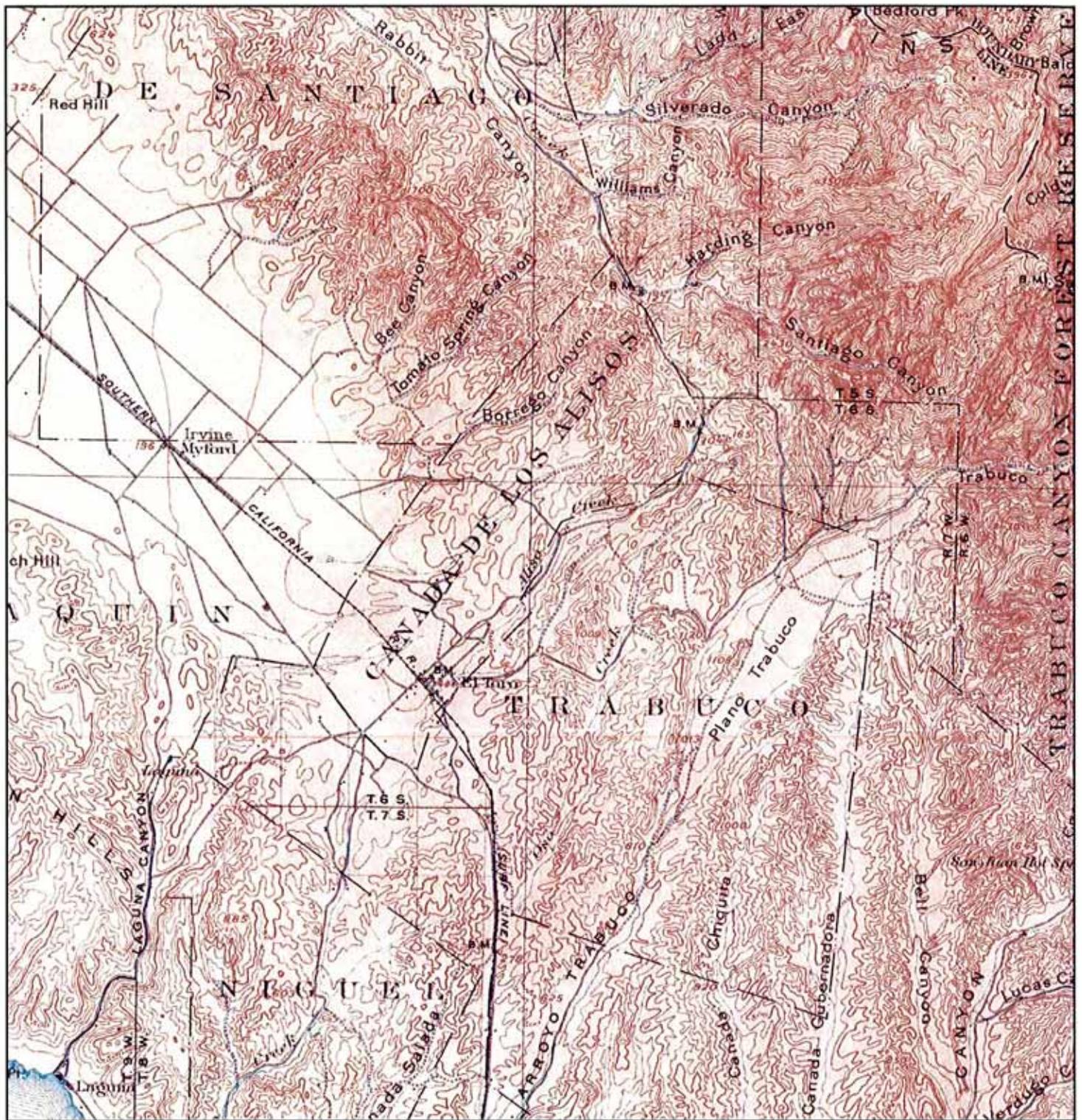
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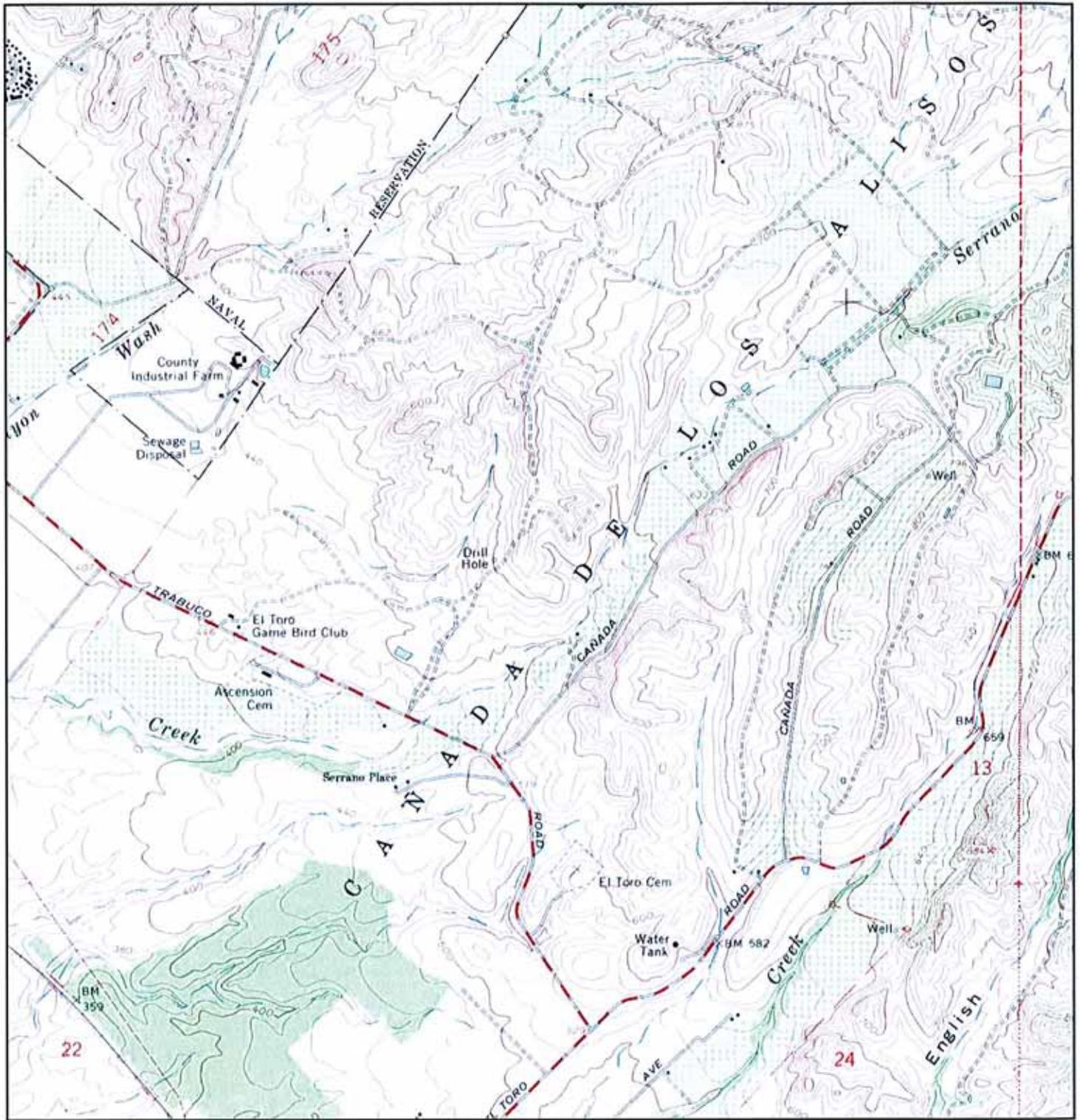


# Historical Topographic Map



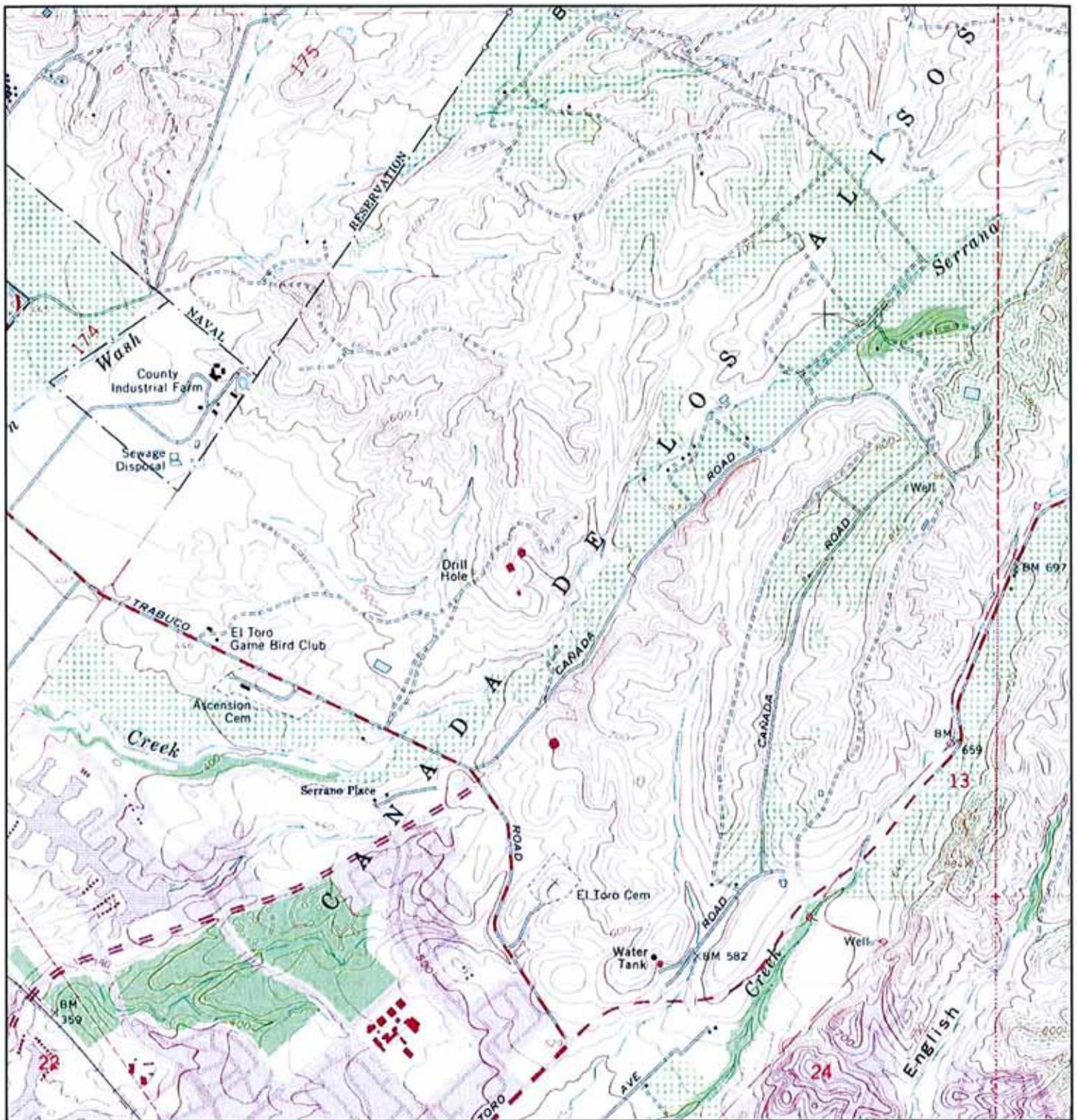
<p>N ↑</p>	<p>TARGET QUAD NAME: CORONA MAP YEAR: 1902</p>	<p>SITE NAME: Former IRWD Site ADDRESS: Commercentre Drive/Biscayne Parkway Drive Lake Forest, CA 92630</p>	<p>CLIENT: Leighton and Associates, Inc. CONTACT: Meredith Church INQUIRY#: 2181254.4 RESEARCH DATE: 03/31/2008</p>
	<p>SERIES: 30 SCALE: 1:125000</p>	<p>LAT/LONG: 33.6601 / 117.683</p>	

# Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: EL TORO MAP YEAR: 1968</p>	<p>SITE NAME: Former IRWD Site ADDRESS: Commercentre Drive/Biscayne Parkway Drive Lake Forest, CA 92630</p>	<p>CLIENT: Leighton and Associates, Inc. CONTACT: Meredith Church INQUIRY#: 2181254.4 RESEARCH DATE: 03/31/2008</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>	<p>LAT/LONG: 33.6601 / 117.683</p>	

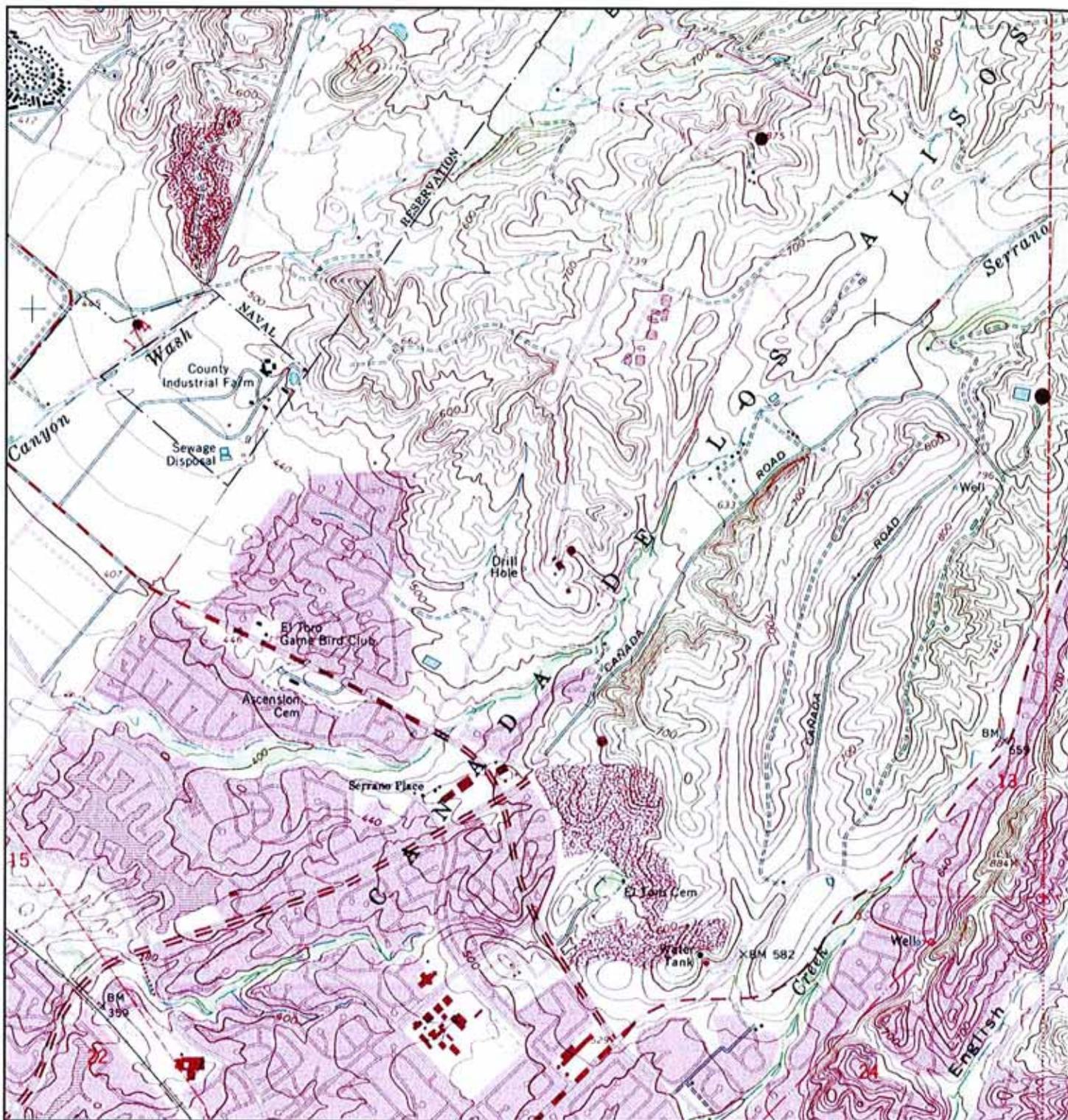
# Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: EL TORO MAP YEAR: 1978 PHOTOREVISED FROM: 1968 SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: Former IRWD Site ADDRESS: Commercentre Drive/Biscayne Parkway Drive Lake Forest, CA 92630 LAT/LONG: 33.6601 / 117.683</p>	<p>CLIENT: Leighton and Associates, Inc. CONTACT: Meredith Church INQUIRY#: 2181254.4 RESEARCH DATE: 03/31/2008</p>



# Historical Topographic Map



<b>N</b> 	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Former IRWD Site	<b>CLIENT:</b> Leighton and Associates, Inc.
	<b>NAME:</b> EL TORO	<b>ADDRESS:</b> Commercentre Drive/Biscayne Parkway Drive	<b>CONTACT:</b> Meredith Church
	<b>MAP YEAR:</b> 1982	<b>Lake Forest, CA 92630</b>	<b>INQUIRY#:</b> 2181254.4
	<b>PHOTOREVISED FROM:</b> 1968	<b>LAT/LONG:</b> 33.6601 / 117.683	<b>RESEARCH DATE:</b> 03/31/2008
	<b>SERIES:</b> 7.5		
	<b>SCALE:</b> 1:24000		



G



**EDR**® Environmental  
Data Resources Inc

## **EDR Site Report™**

**LOS ALISOS WATER DISTRICT  
20996 MARIN  
LAKE FOREST, CA 92630**

**Inquiry Number:**

**April 2, 2008**

### **The Standard in Environmental Risk Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

#### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

# TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

**Section 1: Facility Summary . . . . . Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

**Section 2: Facility Detail Reports . . . . . Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases Searched and Update Information. . . . . Page 9**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 LOS ALISOS WATER DISTRICT 20996 MARIN LAKE FOREST, CA 92630 EDR ID #S103641173
AREA	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	YES - p4
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

## SECTION 2: FACILITY DETAIL REPORTS

### MULTIMEDIA

Facility is listed in a county/local unique database

DATABASE: State/County (LOCAL)

LOS ALISOS WATER DISTRICT  
20996 MARIN  
LAKE FOREST, CA 92630  
EDR ID #S103641173

#### HAZNET:

Gepaid: CAD983601691  
Contact: LOS ALISOS WATER DISTRICT  
Telephone: 7148300580  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 699  
Mailing City,St,Zip: LAKE FOREST, CA 926300699  
Gen County: Orange  
TSD EPA ID: CAT080013352  
TSD County: Los Angeles  
Waste Category: Oil/water separation sludge  
Disposal Method: Recycler  
Tons: 4.5870  
Facility County: Orange

Gepaid: CAD983601691  
Contact: LOS ALISOS WATER DISTRICT  
Telephone: 7148300580  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 699  
Mailing City,St,Zip: LAKE FOREST, CA 926300699  
Gen County: Orange  
TSD EPA ID: CAT080011059  
TSD County: Los Angeles  
Waste Category: Waste oil and mixed oil  
Disposal Method: Recycler  
Tons: 2.5854  
Facility County: Orange

Gepaid: CAD983601691  
Contact: LOS ALISOS WATER DISTRICT  
Telephone: 7148300580  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 699  
Mailing City,St,Zip: LAKE FOREST, CA 926300699  
Gen County: Orange  
TSD EPA ID: CAT080011059  
TSD County: Los Angeles  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Recycler  
Tons: .2085  
Facility County: Orange

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Los Angeles  
Waste Category: Waste oil and mixed oil  
Disposal Method: Recycler  
Tons: 1.25  
Facility County: Not reported

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

TSD County: Los Angeles  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Transfer Station  
Tons: 0.04  
Facility County: Not reported

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Los Angeles  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Treatment, Tank  
Tons: 0.22  
Facility County: Not reported

Gepaid: CAD983601691  
Contact: LOS ALISOS WATER DISTRICT  
Telephone: 7148300580  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 699  
Mailing City,St,Zip: LAKE FOREST, CA 926300699  
Gen County: Orange  
TSD EPA ID: CAD028409019  
TSD County: Los Angeles  
Waste Category: Paint sludge  
Disposal Method: Transfer Station  
Tons: .0208  
Facility County: Orange

Gepaid: CAD983601691  
Contact: LOS ALISOS WATER DISTRICT  
Telephone: 7148300580  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 699  
Mailing City,St,Zip: LAKE FOREST, CA 926300699  
Gen County: Orange  
TSD EPA ID: CAD028409019  
TSD County: Los Angeles  
Waste Category: Other organic solids  
Disposal Method: Transfer Station  
Tons: .0208  
Facility County: Orange

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Los Angeles  
Waste Category: Alkaline solution without metals (pH > 12.5)  
Disposal Method: Transfer Station  
Tons: 0.02  
Facility County: Not reported

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Los Angeles  
Waste Category: Off-specification, aged, or surplus inorganics  
Disposal Method: Transfer Station  
Tons: 0.02  
Facility County: Not reported

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Los Angeles  
Waste Category: Other inorganic solid waste  
Disposal Method: Not reported  
Tons: 0.01  
Facility County: Not reported

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Los Angeles  
Waste Category: Other inorganic solid waste  
Disposal Method: Transfer Station  
Tons: 0.00  
Facility County: Not reported

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Los Angeles  
Waste Category: Unspecified solvent mixture Waste  
Disposal Method: Not reported  
Tons: 0.02  
Facility County: Not reported

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Los Angeles  
Waste Category: Unspecified solvent mixture Waste  
Disposal Method: Transfer Station  
Tons: 0.05  
Facility County: Not reported

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Los Angeles  
Waste Category: Waste oil and mixed oil  
Disposal Method: Not reported  
Tons: 0.01  
Facility County: Not reported

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Los Angeles  
Waste Category: Other organic solids  
Disposal Method: Not reported  
Tons: 0.01  
Facility County: Not reported

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Los Angeles  
Waste Category: Laboratory waste chemicals  
Disposal Method: Not reported  
Tons: 0.00  
Facility County: Not reported

Gepaid: CAD983601691  
Contact: DEBBI L CLARK-LABORATORY SUPVR  
Telephone: 9494535871  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 57000  
Mailing City,St,Zip: IRVINE, CA 926192000  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Los Angeles  
Waste Category: Waste oil and mixed oil  
Disposal Method: Recycler  
Tons: 0.12  
Facility County: Not reported

Gepaid: CAD983601691  
Contact: LOS ALISOS WATER DISTRICT  
Telephone: 7148300580  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 699  
Mailing City,St,Zip: LAKE FOREST, CA 926300699  
Gen County: Orange  
TSD EPA ID: CAT000613893  
TSD County: Los Angeles  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Transfer Station  
Tons: 0.1167  
Facility County: Orange

Gepaid: CAD983601691  
Contact: LOS ALISOS WATER DISTRICT  
Telephone: 7148300580  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 699  
Mailing City,St,Zip: LAKE FOREST, CA 926300699  
Gen County: Orange  
TSD EPA ID: CAT080013352  
TSD County: Los Angeles  
Waste Category: Oil/water separation sludge  
Disposal Method: Recycler  
Tons: 2.0850  
Facility County: Orange

Gepaid: CAD983601691  
Contact: LOS ALISOS WATER DISTRICT  
Telephone: 7148300580  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 699  
Mailing City,St,Zip: LAKE FOREST, CA 926300699  
Gen County: Orange  
TSD EPA ID: CAT080013352  
TSD County: Los Angeles  
Waste Category: Oil/water separation sludge  
Disposal Method: Recycler  
Tons: 1.6680  
Facility County: Orange

Gepaid: CAD983601691  
Contact: LOS ALISOS WATER DISTRICT  
Telephone: 7148300580  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 699  
Mailing City,St,Zip: LAKE FOREST, CA 926300699  
Gen County: Orange  
TSD EPA ID: CAT000613893

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

TSD County:	Los Angeles
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Transfer Station
Tons:	.2584
Facility County:	Orange



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## **EDR Site Report™**

**BAKER (LAWD)  
21082 WISTERIA  
LAKE FOREST, CA 92630**

**Inquiry Number:**

**April 2, 2008**

### **The Standard in Environmental Risk Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

#### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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## SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 BAKER (LAWD) 21082 WISTERIA LAKE FOREST, CA 92630 EDR ID #U003659599
AREA	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	<b>YES - p4</b>
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	<b>1</b>

## SECTION 2: FACILITY DETAIL REPORTS

### WASTE MANAGEMENT

Facility manages registered underground storage tanks

DATABASE: Petroleum Storage Tank Database (UST)

BAKER (LAWD)  
21082 WISTERIA  
LAKE FOREST, CA 92630  
EDR ID #U003659599

UST:  
Local Agency: 30000  
Facility ID: 8234



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## **EDR Site Report™**

**LOS ALISO WATER DISTRICT  
21082 WISTERIA  
EL TORO, CA 92630**

**Inquiry Number:**

**April 2, 2008**

### **The Standard in Environmental Risk Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

#### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
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## SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 LOS ALISO WATER DISTRICT 21082 WISTERIA EL TORO, CA 92630 EDR ID #1000596206 EPA #CAD983601691
<b>AREA</b>	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	YES - p4
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	YES - p5
Facility is listed in a county/local unique database (LOCAL)	NO
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	2

## SECTION 2: FACILITY DETAIL REPORTS

### WASTE MANAGEMENT

Facility generates hazardous waste

DATABASE: Resource Conservation and Recovery Information (RCRAInfo)

LOS ALISO WATER DISTRICT  
21082 WISTERIA  
EL TORO, CA 92630  
EDR ID #1000596206

#### RCRA-SQG:

Date form received by agency: 08/13/1991  
Facility name: LOS ALISO WATER DISTRICT  
Facility address: 21082 WISTERIA  
EL TORO, CA 92630  
EPA ID: CAD983601691  
Mailing address: PO BOX 699  
EL TORO, CA 92630  
Contact: LEE CARTWRIGHT  
Contact address: PO BOX 699  
EL TORO, CA 92630  
Contact country: US  
Contact telephone: (714) 830-0580  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

#### Owner/Operator Summary:

Owner/operator name: LOS ALISOS WATER DISTRICT  
Owner/operator address: PO BOX 699  
EL TORO, CA 92630  
Owner/operator country: Not reported  
Owner/operator telephone: (714) 830-0580  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

#### Handler Activities Summary:

U.S. importer of hazardous waste: Unknown  
Mixed waste (haz. and radioactive): Unknown  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: Unknown  
Furnace exemption: Unknown  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No  
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

### MULTIMEDIA

Facility is listed in EPA's index system

**DATABASE: Facility Index System (FINDS)**

LOS ALISO WATER DISTRICT  
21082 WISTERIA  
EL TORO, CA 92630  
EDR ID #1000596206

This site is listed in the Federal FINDS database. The FINDS database may contain references to records from government databases included elsewhere in the report.  
Please note: the FINDS database may also contain references to out of date records formerly associated with the site.

Registry ID: 110002858042  
Facility Name: LOS ALISO WATER DISTRICT  
Facility Address: 21082 WISTERIA  
EL TORO, CA 92630  
Facility County: ORANGE  
EPA Region: 09  
Fed. Gov. Facility: Not reported  
Indian Tribal Land: No  
EPA Records Indicate Facility Is Listed In

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Prg. Sys. ID: CAD983601691  
Supplemental Interest: Not reported  
Facility SIC Codes: Not reported  
Facility NAICS Codes: Not reported



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## **EDR Site Report™**

**LOS ALISOS WATER DISTRICT  
21802 WISTERIA  
EL TORO, CA 92630**

**Inquiry Number:**

**April 2, 2008**

### **The Standard in Environmental Risk Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

#### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
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## SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 LOS ALISOS WATER DISTRICT 21802 WISTERIA EL TORO, CA 92630 EDR ID #S105023648
AREA	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	YES - p4
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	YES - p5
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	2

## SECTION 2: FACILITY DETAIL REPORTS

### WASTE MANAGEMENT

Facility has reported leaking underground storage tank incidents

DATABASE: Leaking Petroleum Storage Tank Database (LUST)

LOS ALISOS WATER DISTRICT  
21802 WISTERIA  
EL TORO, CA 92630  
EDR ID #S105023648

#### LUST:

Region:	ORANGE
Facility Id:	89UT157
Case Type:	Soil Only
Current Status:	Certification (Case Closed)
Released Substance:	Diesel fuel oil and additives, Nos. 1-D, 2-D, 2-4
Date Closed:	02/28/1990
Record ID:	RO0002861

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

### MULTIMEDIA

Facility is listed in a county/local unique database

**DATABASE: State/County (LOCAL)**

LOS ALISOS WATER DISTRICT  
21802 WISTERIA  
EL TORO, CA 92630  
EDR ID #S105023648

Cortese:  
Region: CORTESE  
Facility Addr2: Not reported



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**LOS ALISOS WATER DISTRICT  
21802 WISTERIA  
LAKE FOREST, CA 92630**

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## SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 LOS ALISOS WATER DISTRICT 21802 WISTERIA LAKE FOREST, CA 92630 EDR ID #S105774118
AREA	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	YES - p4
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

## SECTION 2: FACILITY DETAIL REPORTS

### WASTE MANAGEMENT

Facility has reported leaking underground storage tank incidents

DATABASE: Leaking Petroleum Storage Tank Database (LUST)

LOS ALISOS WATER DISTRICT  
21802 WISTERIA  
LAKE FOREST, CA 92630  
EDR ID #S105774118

#### LUST:

Region: STATE  
Case Type: Soil only  
Cross Street: Not reported  
Enf Type: Not reported  
Funding: Not reported  
How Discovered: Tank Closure  
How Stopped: Close Tank  
Leak Cause: Unknown  
Leak Source: Unknown  
Global Id: T0605901013  
Stop Date: 9999-09-09 00:00:00  
Confirm Leak: Not reported  
Workplan: Not reported  
Prelim Assess: Not reported  
Pollution Char: Not reported  
Remed Plan: Not reported  
Remed Action: Not reported  
Monitoring: Not reported  
Close Date: 1990-02-28 00:00:00  
Discover Date: 1989-08-30 00:00:00  
Enforcement Dt: Not reported  
Release Date: 1989-08-30 00:00:00  
Review Date: Not reported  
Enter Date: Not reported  
MTBE Date: Not reported  
GW Qualifier: Not reported  
Soil Qualifier: Not reported  
Max MTBE GW ppb: Not reported  
Max MTBE Soil ppb: Not reported  
County: 30  
Org Name: Not reported  
Reg Board: Santa Ana Region  
Status: Case Closed  
Chemical: Diesel  
Contact Person: Not reported  
Responsible Party: KEN PETERSON  
RP Address: P O BOX 699  
Interim: Not reported  
Oversight Prgm: LUST  
MTBE Class: \*  
MTBE Conc: 0  
MTBE Fuel: 0  
MTBE Tested: Not Required to be Tested.  
Staff: NOM  
Staff Initials: JS  
Lead Agency: Local Agency  
Local Agency: 30000L  
Hydr Basin #: Not reported  
Beneficial: MUN  
Priority: Not reported  
Cleanup Fund Id: Not reported  
Work Suspended: Not reported  
Local Case #: 89UT157  
Case Number: 083001324T  
Qty Leaked: 0  
Abate Method: Not reported  
Operator: Not reported  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported  
Summary: Not reported

#### LUST:

Region: 8  
Case Type: Soil only  
Cross Street: Not reported

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901013
How Stopped Date:	9/9/9999
Review Date:	Not reported
Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	2/28/1990
Discover Date:	8/30/1989
Enforcement Date:	Not reported
Review Date:	Not reported
Enter Date:	Not reported
MTBE Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Max MTBE GW:	Not reported
Max MTBE Soil:	Not reported
County:	Orange
Operator:	Not reported
Regional Board:	08
Facility Status:	Case Closed
Substance:	12034
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6561764
Longitude:	-117.6846135
MTBE Concentration:	0
MTBE Fuel:	0
MTBE Tested:	NRQ
Staff:	NOM
Staff Initials:	JS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Local Case Num:	89UT157
Case Number:	083001324T
Qty Leaked:	0
Abate Method:	Not reported
MTBE Class:	*
Summary:	Not reported



**EDR**® Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**Former IRWD Site  
Commercentre Drive/Biscayne Parkway Drive  
Lake Forest, CA 92630**

**Inquiry Number: 2181254.2s**

**March 28, 2008**

## **The Standard in Environmental Risk Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

COMMERCENTRE DRIVE/BISCAYNE PARKWAY DRIVE  
LAKE FOREST, CA 92630

#### COORDINATES

Latitude (North): 33.660100 - 33° 39' 36.4"  
Longitude (West): 117.682690 - 117° 40' 57.7"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 436703.1  
UTM Y (Meters): 3724485.2  
Elevation: 695 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33117-F6 EL TORO, CA  
Most Recent Revision: 1982

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

#### FEDERAL RECORDS

Proposed NPL ..... Proposed National Priority List Sites  
Delisted NPL ..... National Priority List Deletions  
NPL LIENS ..... Federal Superfund Liens  
CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System  
CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned  
LIENS 2 ..... CERCLA Lien Information  
RCRA-TSDF ..... RCRA - Transporters, Storage and Disposal  
RCRA-LQG ..... RCRA - Large Quantity Generators  
RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator  
RCRA-NonGen ..... RCRA - Non Generators

## EXECUTIVE SUMMARY

US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls
ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
DOT OPS.....	Incident and Accident Data
US CDL.....	Clandestine Drug Labs
US BROWNFIELDS.....	A Listing of Brownfields Sites
FUDS.....	Formerly Used Defense Sites
LUCIS.....	Land Use Control Information System
CONSENT.....	Superfund (CERCLA) Consent Decrees
UMTRA.....	Uranium Mill Tailings Sites
ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

HIST Cal-Sites.....	Historical Calsites Database
CA BOND EXP. PLAN.....	Bond Expenditure Plan
SCH.....	School Property Evaluation Program
Toxic Pits.....	Toxic Pits Cleanup Act Sites
SWFLF.....	Solid Waste Information System
CA WDS.....	Waste Discharge System
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
SWRCY.....	Recycler Database
LUST.....	Geotracker's Leaking Underground Fuel Tank Report
CA FID UST.....	Facility Inventory Database
SLIC.....	Statewide SLIC Cases
LIENS.....	Environmental Liens Listing
CHMIRS.....	California Hazardous Material Incident Report System
Notify 65.....	Proposition 65 Records
Orange Co. Industrial Site.....	List of Industrial Site Cleanups
DEED.....	Deed Restriction Listing
VCP.....	Voluntary Cleanup Program Properties
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
CDL.....	Clandestine Drug Labs
RESPONSE.....	State Response Sites
HAZNET.....	Facility and Manifest Data
AIRS.....	Emissions Inventory Data
HAULERS.....	Registered Waste Tire Haulers Listing
ENVIROSTOR.....	EnviroStor Database

### TRIBAL RECORDS

INDIAN RESERV.....	Indian Reservations
--------------------	---------------------

## EXECUTIVE SUMMARY

**INDIAN ODI**..... Report on the Status of Open Dumps on Indian Lands  
**INDIAN LUST**..... Leaking Underground Storage Tanks on Indian Land  
**INDIAN UST**..... Underground Storage Tanks on Indian Land

### EDR PROPRIETARY RECORDS

**Manufactured Gas Plants**... EDR Proprietary Manufactured Gas Plants  
**EDR Historical Auto Stations**... EDR Proprietary Historic Gas Stations  
**EDR Historical Cleaners**..... EDR Proprietary Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### FEDERAL RECORDS

**NPL:** Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 01/31/2008 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>USMC AIR STATION EL TORO</i></b>	<b><i>LAT 33 40 19 LONG 117</i></b>	<b><i>1/2 - 1 NW</i></b>	<b><i>0</i></b>	<b><i>6</i></b>

**CORRACTS:** CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/12/2007 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>USMC AIR STATION EL TORO</i></b>	<b><i>LAT 33 40 19 LONG 117</i></b>	<b><i>1/2 - 1 NW</i></b>	<b><i>0</i></b>	<b><i>6</i></b>

## EXECUTIVE SUMMARY

**RCRA-SQG:** RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/11/2007 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>ARB INC</i>	<i>20602 INDIAN OCEAN</i>	<i>1/8 - 1/4 NE</i>	<i>7</i>	<i>63</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>THE YOUNG ENGINEERS INC</i>	<i>25841 COMMERCENTRE DR</i>	<i>0 - 1/8 NE</i>	<i>4</i>	<i>54</i>
<i>DYNACAST INC</i>	<i>25952 COMMERCENTRE DR</i>	<i>1/8 - 1/4 NE</i>	<i>5</i>	<i>57</i>

**DOD:** Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>EL TORO MARINE CORPS AIR STATI</i>		<i>1/2 - 1 NW</i>	<i>0</i>	<i>6</i>

**ROD:** Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 01/14/2008 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>USMC AIR STATION EL TORO</i>	<i>LAT 33 40 19 LONG 117</i>	<i>1/2 - 1 NW</i>	<i>0</i>	<i>6</i>

### STATE AND LOCAL RECORDS

**WMUDS/SWAT:** The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>GREENWASTE COMPOSTING</i>	<i>20712 INDIAN OCEAN DR</i>	<i>0 - 1/8 NE</i>	<i>3</i>	<i>53</i>

## EXECUTIVE SUMMARY

**UST:** The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 01/07/2008 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ARB INC	20602 INDIAN OCEAN	1/8 - 1/4 NE	7	63

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CONWAY EXPRESS	20697 PRISM PL	1/8 - 1/4 E	6	62

**HIST UST:** Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
V.P. BAKER FILTRATION PLANT	PALMWOOD NORTH OF PEACH	0 - 1/8	1	52

**AST:** The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 11/01/2007 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SUNSTATE EQUIP LLC LAKE FOREST	20772 INDIAN OCEAN DR	0 - 1/8 NE	2	53

**SWEEPS UST:** Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CONWAY EXPRESS	20697 PRISM PL	1/8 - 1/4 E	6	62

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
LOS ALISOS WATER DISTRICT	LUST, Cortese
LOS ALISOS WATER DISTRICT	LUST
BAKER (LAWD)	UST
LOS ALISO WATER DISTRICT	RCRA-SQG, FINDS
CONSTRUCTION SITE BET CREEK & EL TORRO	ERNS
SITE 1 / EXPLOSIVE ORDINANCE DISPOSAL	FINDS

# OVERVIEW MAP - 2181254.2s



Target Property

- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ▨ National Priority List Sites
- ▩ Dept. Defense Sites

- ▨ Indian Reservations BIA
- Oil & Gas pipelines
- ▭ 100-year flood zone
- ▭ 500-year flood zone

▨ Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former IRWD Site  
 ADDRESS: Commercentre Drive/Biscayne Parkway Drive  
 Lake Forest CA 92630  
 LAT/LONG: 33.6601 / 117.6827

CLIENT: Leighton and Associates, Inc.  
 CONTACT: Meredith Church  
 INQUIRY #: 2181254.2s  
 DATE: March 28, 2008 5:31 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA WDS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	1	0	0	NR	NR	1
Cortese		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
CA FID UST		0.250	0	0	NR	NR	NR	0
SLIC		0.500	0	0	0	NR	NR	0
UST		0.250	0	2	NR	NR	NR	2
HIST UST		0.250	1	0	NR	NR	NR	1
AST		0.250	1	0	NR	NR	NR	1
LIENS		TP	NR	NR	NR	NR	NR	0
SWEEPS UST		0.250	0	1	NR	NR	NR	1
CHMIRS		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	0	NR	0
Orange Co. Industrial Site		TP	NR	NR	NR	NR	NR	0
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
RESPONSE		1.000	0	0	0	0	NR	0
HAZNET		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
HAULERS		TP	NR	NR	NR	NR	NR	0
ENVIROSTOR		1.000	0	0	0	0	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

DOD  
Region  
NW  
1/2-1  
3403 ft.

EL TORO MARINE CORPS AIR STATION (CLOSED)

DOD CUSA143948  
N/A

EL TORO MARINE CORPS AIR (County), CA

DOD:

Feature 1: Marine Corps DOD  
Feature 2: Not reported  
Feature 3: Not reported  
URL: Not reported  
Name 1: El Toro Marine Corps Air Station (Closed)  
Name 2: Not reported  
Name 3: Not reported  
State: CA  
DOD Site: Yes  
Tile name: CAORANGE

NPL  
Region  
NW  
1/2-1  
3213 ft.

USMC AIR STATION EL TORO  
LAT 33 40 19 LONG 117 43 43  
NEAR EL TORO, CA 92709

PADS 1000417911  
CERCLIS CA6170023208  
RCRA-SQG  
FINDS  
NPL  
RCRA-TSDF  
RAATS  
CORRACTS  
ROD  
US ENG CONTROLS  
US INST CONTROL

CERCLIS:

Site ID: 0902770  
Federal Facility: Federal Facility  
NPL Status: Currently on the Final NPL  
Non NPL Status: Not reported

CERCLIS Site Contact Name(s):

Contact Name: Richard Muza  
Contact Tel: (415) 972-3349  
Contact Title: Remedial Project Manager (RPM)

Contact Name: Nuria Muniz  
Contact Tel: (415) 972-3811  
Contact Title: Site Assessment Manager (SAM)

CERCLIS Site Alias Name(s):

Alias Name: MARINE CORPS AIR STA EL TORO  
Alias Address: Not reported  
SANTA ANA, CA  
Alias Name: EL TORO MARINE CORPS AIR STATION  
Alias Address: EL TORO MARINE CORPS AIR STA  
SANTA ANA, CA 92709  
Alias Name: EL TORO MARINE CORPS AIR STATION  
Alias Address: EL TORO MARINE CORPS AIR STA  
EL TORO, CA 92709  
Alias Name: FORMER MCAS EL TORO  
Alias Address: EEPB FAC MGMT DEPT  
SANTA ANA, CA 91702

Site Description: MCAS El Toro was commissioned in 1943 as a Marine Corps pilot fleet operation

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

training facility. In 1950, the Station was selected for development as a master jet station and permanent center for Marine Corps aviation on the west coast. The Station mission has involved the operation and maintenance of military aircraft and ground-support equipment. These activities generated oils, solvents, paint residues, hydraulic fluid, used batteries, and other wastes. Wastes were placed in unlined on-Station landfills, and burned or covered with soil. Environmental remediation activities at MCAS El Toro are performed under the Installation Restoration Program (IRP). The IRP was developed in 1980 by the United States Department of Defense (DoD) to comply with federal guidelines to manage and control past hazardous waste disposal actions. The first indication of contamination at the Station occurred during routine water-quality monitoring in 1985, when the Orange County Water District discovered trichloroethene (TCE) in groundwater at an irrigation well located approximately 3,000 feet downgradient of MCAS El Toro. In 1985, the DON began to work on an Initial Assessment Study (IAS) to locate potentially contaminated sites on the Station. This work was conducted for the Naval Facilities Engineering Command under the Navy Assessment and Control of Installation Pollutants Program, which was the DON version of the DoD IRP at that time. The IAS report identified 17 sites as potential sources of contamination. The identification of potentially contaminated sites was based on the results of record searches and employee interviews. The report recommended sampling locations and sample analytical parameters to confirm the suspected contamination at the sites. In 1987, the Marine Corps contracted for a review of the IAS to produce a Site Inspection Plan of Action (SIPOA). In July 1987, while the SIPOA study was underway, (California) Regional Water Quality Control Board (RWQCB) Santa Ana Region issued a cleanup and abatement order to the Marine Corps. This order required the Station to initiate a perimeter groundwater volatile organic compound (VOC) investigation and submit a draft report. The Site Inspection Plan of Action (SIPOA) released in August 1988 included a recommendation of 19 sites for study and amended the site sampling plans proposed in the IAS report. This SIPOA report served as the basis for the Sampling and Analysis Plan for the RI/Feasibility Study (FS) sites. In June 1988, the United States Environmental Protection Agency (U.S. EPA) recommended adding MCAS El Toro to the National Priorities List (NPL) of the Superfund Program due to VOC groundwater contamination at the Station boundary and in the agricultural wells west of the Station. MCAS El Toro was added to the National Priorities List (NPL) on 15 February 1990. In October 1990, the Marine Corps/DON signed a Federal Facilities Agreement (FFA) with U.S. EPA Region IX, California Department of Health Services, and the RWQCB Santa Ana Region. The FFA is a cooperative agreement that: 1) assures environmental impacts are investigated and appropriate response actions are taken to protect human health and the environment; 2) establishes a procedural framework and schedule for developing, implementing, and monitoring appropriate response actions; 3) facilities cooperation, exchange of information, and participation of the parties; and 4) assures adequate assessment, prompt notification, and coordination between federal and state agencies. The implementation of the FFA is included as one of the responsibilities of the Base Realignment and Closure (BRAC) Cleanup Team (BCT). The BCT consists of representatives from the DON Southwest Division Naval Facilities Engineering Command (SWDIV), U.S. EPA, DTSC, and RWQCB Santa Ana Region. The team was established to manage and coordinate environmental restoration and compliance programs related to the operational closure of MCAS El Toro by July 1999. In addition, the MCAS El Toro BCT has specified in its mission and vision statements that: 1) fast-track remediation of sites is necessary to expedite reuse; and 2) restoration and reuse is to be maximized by 1999. In December 1989, the DON began to prepare a Phase I RI Work Plan and associated documents for MCAS El Toro. The DON reviewed the available reports and other documents pertinent to past disposal

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

USMC AIR STATION EL TORO (Continued)

1000417911

practices at the Station and concluded that 22 IRP sites would be investigated. These sites were grouped into three OU's. OU-1 comprised the regional VOC groundwater investigation (Site 18), which was conducted both on and off the Station. OU-2 included the four landfill sites (Sites 2, 3, 5, and 17) and Site 10, the Petroleum Disposal Area (this site was later moved to OU-3). The remaining 16 sites were grouped together as OU-3. These sites were considered to be potential sources for a variety of contaminants. The principal objectives of the Phase I RI were to evaluate the source(s) of contamination in regional groundwater west of the Station and determine whether contamination exists and is affecting the environment at sites in OU-2 and OU-3. The results of the Phase I RI were documented in a draft Technical Memorandum issued in July 1993, a draft RI report for OU-1 issued in July 1994, a final Soil Gas Survey Technical Memorandum issued in October 1994 and a draft final interim RI/FS Report for OU-1 issued in August 1996. A variety of contaminants in the groundwater, soil, surface water, and sediment at MCAS El Toro was identified during the Phase I RI. Contaminants in the soil and sediment consisted primarily of low concentrations of semi-volatile organic compounds (SVOCs), petroleum hydrocarbons, pesticides, herbicides, and polychlorinated biphenyls. It was also concluded during the Phase I RI that the source of contamination for regional groundwater is in the southwest quadrant of the Station, but no specific source was identified. The sampling events yielded sufficient information to warrant conducting a preliminary risk assessment of contaminants at the sites for both groundwater and soil contamination. The results of the Phase I RI provided the primary data for the Phase II RI/FS. In March 1993, MCAS El Toro was placed on the BRAC III list of military facilities considered for closure. Under the terms of the FFA, Station closure would not affect the DON's obligation to conduct the RI/FS and to comply with the other requirements of the FFA. Concurrent with the Phase I RI, the DON conducted a Resource Conservation and Recovery Act (RCRA) Facilities Assessment (RFA) at MCAS El Toro. The purpose of the RFA was to evaluate whether an additional 140 sites at MCAS El Toro would require further investigation under the Phase II RI/FS program. The final RFA report was submitted in July 1993. Based on an evaluation of the sampling results, 25 solid waste management units (SWMU's)/areas of concern (AOC's) were recommended for further action. Site 23 (Wastewater Treatment Plant Sewer Lines) was evaluated in the RFA and was recommended for no further action. The sewer lines are located within Site 24, which was added to the Phase II RI scope. Interviews with active and retired personnel from the Fuel Operations Division and Facility Management Department were held in July 1994 at MCAS El Toro. The objectives of the meeting were to confirm and supplement information obtained from past interviews and field investigations, to obtain a better understanding of current and historical operations at MCAS El Toro, and to identify new areas of potential environmental concern at MCAS El Toro. Those interviewed had knowledge of operations and procedures for storage and disposal of hazardous materials and waste. In July 1995, a final Work Plan for the Phase II RI/FS was issued. This Work Plan presented an approach to conduct the Phase II RI at 24 IRP sites including 2 new sites, Site 24 and Site 25. The objectives of the plan were to present a data quality objective-based sampling strategy to establish confidence that inferences made from the data are correct, and, ultimately, to collect sufficient information to support risk management decisions. The Phase II RI was conducted in 1995 and 1996. During the same time period, DON performed an evaluation of background concentrations of metals in soils and reference levels for pesticides and herbicides in soils. This enabled site-specific analytical results of soil sampling to be compared with background and reference levels during the RI to identify potential releases. Subsequent to the Phase II RI, an evaluation of metals in groundwater was performed. The purpose of this evaluation was to determine whether the

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reported concentrations of metals in groundwater at MCAS El Toro reflect ambient conditions or are the result of anthropogenic sources associated with historical Station activities. From 1998 through 1999, the DON conducted a historical radiological assessment (HRA) of MCAS El Toro. The assessment was performed as part of the base closure process, for the release of the Station for reuse. A draft final HRA report summarizing the results of the assessments was issued in November 1999. Former Marine Corps Air Station (MCAS) El Toro lies in a semi-urban agricultural area of southern California, approximately 8 miles southeast of Santa Ana and 12 miles northeast of the city of Laguna Beach. Land northwest of the Station is used for agriculture, whereas the land to the south and northeast is used mainly for commercial, light industrial and residential purposes. Residential areas in the vicinity of Former MCAS El Toro include the cities of Lake Forest, Irvine, and Laguna Hills. Former MCAS El Toro is bordered on the south and west by the city of Irvine and on the north and east by unincorporated lands. Former MCAS El Toro was commissioned in 1943 as a Marine Corps pilot fleet operation training facility. In 1950, the Station was selected for development as a master jet station and permanent center for Marine Corps aviation on the west coast. The Station mission has involved the operation and maintenance of military aircraft and ground-support equipment. Historical activities on the Station included aircraft maintenance and repair. These activities generated oils, solvents, paint residues, hydraulic fluid, used batteries, and other wastes. Waste were placed in unlined landfills and burned or covered with soil. In some cases, wastes were released to the ground directly as the result of spills or dust-suppression activities. To support the Station's mission, facility operations were expanded over the years to include runways, aircraft maintenance and training facilities, housing, shopping facilities, and other support facilities. Former MCAS El Toro occupies 4,738 acres of land, including 580 acres that are leased for commercial farming. Approximately 1,000 acres are designated as outleased lands that are not available for development because of airfield safety clearances. The outleased lands are along the perimeter of the Station and are used for agricultural purposes, including landscape nurseries, livestock grazing, and crop production. The adjacent/surrounding land uses around Former MCAS El Toro include residential, commercial, industrial, and recreational. During operations, land use on Former MCAS El Toro consisted of a few general types. General Station land uses are described below for the following four quadrants, as defined by the bisecting north-south and east-west runways. - The northwestern quadrant consisted of the Former MCAS El Toro headquarters, administrative services, family and bachelor housing, and community support services. - The northeastern quadrant consisted of Marine Aircraft Group activities (e.g., training, maintenance, supply and storage, and airfield operations), family housing, community support services, and ordnance storage in areas isolated by topographic relief and distance from other developments. - The southeastern quadrant consisted of administrative services, maintenance facilities, ordnance storage, and the golf course. - The southwestern quadrant consisted of aircraft maintenance facilities, supply and storage facilities, and limited administrative services. Past operations and practices at Former MCAS El Toro have contributed to soil and groundwater volatile organic compound (VOC) contamination. Former MCAS El Toro was closed on 02 July 1999. Environmental compliance and restoration activities have continued since Station closure, and a caretaker staff will remain at the Station until property transfer is complete. A community reuse plan was prepared and submitted to the Department of the Navy (DON) in 1996. The reuse plan proposed to use Former MCAS El Toro for a commercial airport as well as for other public uses including schools, parks, wildlife refuges, golf courses, homeless services, and commercial/light-industrial uses. The 1996 plan was refined by the 1999 Airport System Master Plan, which incorporated airport planning

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activities that resulted in some land use areas being redefined. The DON and the Federal Aviation Administration are evaluating this proposed reuse of Former MCAS El Toro and other alternatives in their joint environmental impact statement. Former MCAS El Toro lies within the Irvine Forebay I Groundwater Subbasin (Irvine Subbasin), which has been designated by the California Regional Water Quality Control Board (RWQCB) Santa Ana Region as a public water supply source. The regional aquifer at Sites 18 and 24 is not currently a source of municipal drinking water because of widespread elevated concentrations of total dissolved solids (TDS) and nitrates that exceed water quality standards; however, groundwater near the Station is used for agriculture. On-Station irrigation well 18\_TIC055, at the western end of the east-west runway, is connected to the regional irrigation distribution system. Eight other irrigation wells are located in the vicinity of the Station. Well 18JTIC055 is screened in the principal aquifer upgradient of the principal aquifer VOC plume and, because of its upgradient location, does not extract groundwater from the principal aquifer VOC plume. Well 18\_ET1 extracts water from an area within the TCE plume. Although a risk assessment performed by the Orange County Water District (OCWD) in 1986 showed that the water from this well does not represent an unacceptable human health risk, the extracted groundwater is treated using air stripping to remove VOCs before it is discharged for irrigation. The nearest drinking-water well (Tustin Walnut Well) is located at the intersection of Redhill and Walnut, approximately 2.5 miles from the leading edge of the TCE plume; however, the well is not hydraulically downgradient of the plume. The nearest downgradient drinking-water well (Dyer Road Well #3) is 3.2 miles from the leading edge of the plume. In addition, the Irvine Ranch Water District (IRWD) plans to acquire well 18JTIC106, located approximately 1 mile from the leading edge of the plume, as a drinking-water well. Environmental remediation activities at Former MCAS El Toro are performed under the Installation Restoration Program (IRP). The IRP was developed in 1980 by the Department of Defense (DoD) to comply with federal guidelines to manage and control contamination from past hazardous waste disposal actions. The first indication of contamination at the Station occurred during routine water quality monitoring in 1985, when OCWD discovered TCE in groundwater at an irrigation well approximately 3,000 feet downgradient of Former MCAS El Toro. In 1985, the DON began to work on an initial assessment study (IAS) to locate potentially contaminated sites on the Station. This work was conducted for the Naval Facilities Engineering Command under the Navy Assessment and Control of Installation Pollutants Program, which was the DON version of the Department of Defense (DoD) IRP at that time. The IAS report identified 17 sites as potential sources of contamination. The report also identified potentially contaminated sites based on the results of record searches and employee interviews and recommended sampling locations and analytical parameters to assess the suspected contamination. In 1987, the Marine Corps contracted for a review of the IAS to produce a site inspection plan of action (SIPOA). The SIPOA, released in August 1988, recommended 19 sites for study and amended the site sampling plans proposed in the IAS report. This SIPOA report was the basis for a sampling and analysis plan for the remedial investigation (RI)/feasibility study (FS) sites. In July 1987, while the SIPOA study was under way, RWQCB Santa Ana Region issued a Cleanup and Abatement Order (CAO) to the Marine Corps requiring the Station to initiate a perimeter groundwater VOC investigation and submit a draft report. Because the investigation revealed VOCs in the shallow groundwater unit near the Station boundary, an interim groundwater pump and treatment system was installed at this boundary. Between June 1989 and September 1993, the system pumped and treated groundwater from three extraction wells at approximately 30 gallons per minute (gpm). Over the life of the system, reported concentrations of TCE in the influent were about 10 to 160 micrograms per liter (ug/L) and reported concentrations of PCE were 25 to 100

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ug/L. The extracted groundwater was treated with a granular activated carbon (GAC) treatment system and used to irrigate the Station golf course. On 13 April 1993, RWQCB rescinded the CAO, because the required actions were complete and because the DON had entered into a Federal Facilities Agreement (FFA) to investigate and remediate environmental impacts associated with past and present activities at Former MCAS El Toro. In September 1993, the pump and treatment system was shut down. In June 1988, U.S. EPA recommended adding Former MCAS El Toro to the National Priorities List (NPL) because of VOC contamination at the Station boundary and in the agricultural wells west of the Station. Former MCAS El Toro was added to the NPL on 15 February 1990. In October 1990, the Marine Corps/DON signed an FFA with U.S. EPA Region 9, California Department of Health Services (now referred to as the DTSC), and RWQCB Santa Ana Region. The Base Realignment and Closure (BRAC) Cleanup Team (BCT) is responsible for implementing the FFA. The BCT consists of representatives from the DON Southwest Division Naval Facilities Engineering Command (SWDIV), U.S. EPA, DTSC, and RWQCB Santa Ana Region. The team was established to manage and coordinate environmental restoration and compliance programs related to the closure and disposal of Former MCAS El Toro by July 1999. EPA OU-01: Basewide Groundwater Site 18, the regional groundwater volatile organic compound (VOC) plume, is defined as the area where TCE concentrations are greater than 5 ug/L in the principal aquifer. Site 18 is downgradient of Site 24 and is located entirely off-Station. The contaminated groundwater of Site 18 originates in the shallow aquifer at Site 24, migrates into the principal aquifer near the southwestern Station boundary, and extends into the principal aquifer off-Station approximately 3 miles to the west beneath the city of Irvine. The average width of the off-Station VOC plume is approximately 1/2 mile. VOC contamination reaches depths of 450 feet bgs in some areas. Land above the Site 18 groundwater plume has historically been used for agricultural activities. However, recently the land use has changed to mixed-use with agricultural, residential, and commercial areas. The agricultural land use has likely contributed to the reportedly elevated concentrations of total dissolved solids (TDS) and nitrate that is found throughout the basin, but it is not responsible for the extensive VOC contamination that originated at Site 24. Groundwater from Site 18 is also used to supply two artificial surface water bodies, North Lake and South Lakes, and the childrens' wading pools associated with each lake. The lakes are used for recreation, including boating, sailing, fishing, and wading. Site 24 is located in the southwestern quadrant of Former MCAS El Toro. The site is highly industrialized and contains two large aircraft hangars (Buildings 296 and 297) and several smaller buildings that were used for aircraft and vehicle maintenance and repair. The Site 24 surface cover consists of unpaved open ground, asphalt, and concrete. Most of the site (170 acres) is paved. Asphalt-covered areas were used primarily for access roads and parking lots for military and personal vehicles. Concrete covers the areas where most of the industrial activities at Site 24 have been conducted, including slabs for Buildings 296 and 297 (the two aircraft hangars), Building 295 (the helicopter hangar), and Building 324 (the former engine test facility). A network of storm drains collects rainwater from the paved surfaces of Site 24. When industrial activities were conducted at Site 24, wastewater generated from the concrete-paved areas would also have been transported via this network. The network discharges to Agua Chinon Wash on the eastern portion of the site and Bee Canyon Wash on the western portion, near the Station boundaries in these locations. Industrial activities at Site 24, such as dust suppression with waste liquids, paint stripping, degreasing, vehicle and aircraft washing, and waste disposal practices, involved the use of solvents containing VOCs such as trichloroethylene (TCE) and tetrachloroethene (PCE). Waste solvents may have reached the surface or subsurface through leakage, runoff, storm drains, or direct application to the soil and are believed to be the source of VOCs in the

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regional groundwater. The precise origin, nature, and use of TCE released at the site and the circumstances and quantities of individual releases are not documented. TCE usage at Former MCAS El Toro is believed to have been discontinued in the mid-1970s. The shallow groundwater plume associated with Site 24 originates at this site and extends off-Station approximately to Sand Canyon Avenue. Calculations performed during the Phase II remedial investigation (RI) showed that the concentrations of VOCs present in deeper subsurface soil at Site 24 were high enough to contaminate groundwater to levels above drinking water standards. Groundwater contamination, where present beneath Sites 7, 8, 9, 10, 11, 12, 22, and 25, has its origin at Site 24. The Irvine Desalter Project (IDP) is a local project prompted by a 1984 regional groundwater study that showed inorganic constituents, mainly TDS and nitrates were migrating from the Irvine area toward the main portion of the Orange County groundwater basin. The Irvine area's relatively poor quality of groundwater is mostly attributable to local geology and agricultural practices. After later studies identified VOCs, primarily TCE, in area groundwater, the IDP was modified to address VOCs in addition to TDS and nitrates. The IDP is being designed to meet all federal and state drinking-water standards. The OCWD and IRWD have entered into an agreement that covers design, construction, operation, and funding of the project. The OCWD is responsible for the planning, right-of-way acquisition, design, and construction of project facilities, with full participation by IRWD. IRWD will operate the project facilities. In June 2001, the DON and the Department of Justice (DOJ), on behalf of the Marine Corps, OCWD, and IRWD reached an agreement on how the IDP could fulfill the DON's obligation to remediate VOCs while achieving the OCWD and IRWD objectives of treating groundwater containing high concentrations of TDS and nitrates to provide a drinking- and reclaimed-water supply from the principal aquifer. A settlement agreement apportioning costs for the IDP components was signed by the OCWD on 13 June 2001, by IRWD on 19 June 2001, by the DON on 18 July 2001, and by DOJ on 07 September 2001. A Record of Decision (ROD) addressing groundwater contamination at Sites 18 and 24 was signed in June 2002. The DON's selected remedy uses the IDP as the key component of the groundwater treatment system for VOC removal at Sites 18 and 24. The Orange County Water District (OCWD), Irvine Ranch Water District (IRWD), and the Settling Federal Agencies (SFA) comprised of the U.S. Department of Justice (DOJ) and the Department of Navy (DON) reached a Settlement Agreement regarding the Modified Irvine Desalter Project (IDP) to accept and treat groundwater from Site 24 and the PA for VOC removal. Treatment of extracted groundwater contaminated with VOCs is considered the CERCLA Component of the Modified IDP. Groundwater extracted from the SGU will be conveyed by DON to a point of connection to be located at the MCAS El Toro boundary. At the point of connection, IRWD will accept the water and transport it to the Modified IDP for treatment. This Settlement Agreement was incorporated as part of the Final Groundwater ROD. The agreement provides that the United States will bear the VOC treatment costs, and OCWD and IRWD will continue to bear the costs associated with reclaimed water supply treatment requirements, including those for total dissolved solids and nitrates. The agreement specifies the quantity and quality of contaminated water that can be treated by the Modified IDP. An Explanation of Significant Differences addressing Operable Unit 1 was completed in March 2006. EPA OU-02: Site 24 Soil VOC Source Area Site 24 is located in the southwest quadrant of Former MCAS El Toro. Industrial activities at Site 24, such as dust suppression with waste liquids, paint stripping, degreasing, vehicle and aircraft washing, and waste disposal practices involved the use of solvents containing VOCs such as trichloroethene (TCE) and tetrachloroethene (PCE). Waste solvents may have reached the surface or subsurface through leakage, runoff, storm drain flow, or direct application to the soil. The precise origin, nature, and use of TCE released at the site and the

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circumstances and quantities of individual releases are not documented. TCE usage at Former MCAS El Toro is believed to have been discontinued in the mid-1970s. Site 24 encompasses approximately 200 acres. The site slopes to the west from an elevation of about 320 feet above mean sea level (MSL) at the intersection of the east-west and north south runways to approximately 240 feet above MSL near the end of the east-west runway. The site is largely industrialized and contains two large aircraft hangars (Buildings 296 and 297) and several smaller buildings that were used for aircraft and vehicle maintenance and repair. Maintenance activities (e.g., degreasing) that occurred within these buildings may have contributed to the VOC contamination present at the site. On the basis of current local zoning, the future use of Site 24 is designated as recreational and institutional. Former MCAS El Toro lies within the Irvine Groundwater Management Zone, which has been designated by Santa Ana RWQCB as a public water supply source. The regional aquifer beneath Former MCAS El Toro is not currently a source of municipal drinking water because of widespread elevated concentrations of total dissolved solids and nitrates that exceed water quality standards; however, groundwater in the vicinity of the Station is used for agricultural purposes. The horizontal and vertical extent of VOCs in the vadose zone was characterized using Phase I and Phase II soil and soil gas analytical results. The results confirmed that, at the time of the RI, a primary TCE source area was present beneath Buildings 296 and 297. This source area extended vertically to groundwater directly beneath those buildings, with the highest concentrations near the water table. The trend of increasing concentration with depth suggested a depleting source at the surface, which is consistent with the end of TCE usage in approximately 1975. The maximum concentration of TCE reported in soil during the Phase II RI was 190 micrograms per kilogram (ug/kg), compared with a concentration of 400 ug/kg during the Phase I investigation. TCE in soil gas was reported at concentrations up to 6,120 ug/L. This exceeds the concentration in equilibrium with TCE-contaminated groundwater and indicates that an active mechanism existed to transfer TCE in the vadose zone to groundwater. In addition to TCE, other chlorinated VOCs, such as PCE, carbon tetrachloride, and related organic chemicals, were also reported in soil at Site 24, but with less frequency and at much lower concentrations. 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) had a soil gas volume nearly as large as that of TCE, but was not considered a threat to groundwater due to relatively low concentrations and toxicity. Soil Vapor Extraction (SVE) was selected for vadose zone remediation in an interim ROD that was finalized in September 1997. Transfer and installation of the SVE system used at Norton AFB was completed in 1998. In January 1999, the remedial design for the SVE system was completed and operational testing of the central treatment system remediation equipment began. Actual remedial action started in March 1999 with the use of portable SVE systems to extract VOCs from existing SVE wells. The central treatment system operation and installation of the initial phase of additional SVE wells and the associated vapor conveyance piping began in May 1999. By the end of 1999, significant progress had been made in remediating the vadose zone, and vapor concentrations in all the SVE wells were below the soil gas cleanup (threshold) levels. Rebound testing of existing SVE wells and installation of supplemental SVE wells (to confirm that soil gas cleanup goals had been achieved throughout the soil gas plume) were completed in April 2000. In June 2001, a draft closure report for soil at Site 24 was issued. This report is expected to be finalized in spring 2002. Remediation of soil at Site 24 will be discussed further in the final ROD for the Site 24 vadose zone. At the time that the SVE system was shut down, TCE and PCE concentrations in the vadose zone source area were reduced to below the final soil gas threshold concentrations set forth in the Interim ROD. Additionally, attainment of closure goals was confirmed by closure sampling conducted 7 months after shutdown. Between the start of pilot scale testing (April 1995)

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through September 2000, approximately 2,000 pounds of VOCs was extracted and treated at Site 24. A Record of Decision addressing OU 2 was completed in March 2006. EPA OU-03: Soil at Site 8, 11, and 12. Sites 8 and 12 are currently being evaluated. Site 11 is located in the southwest quadrant of the MCAS El Toro and is comprised of three units. Unit 1 is a concrete pad that is about 30 feet by 30 feet in size with a strip of ground adjacent to it. Unit 2 is an asphalt lined drainage ditch, while Unit 3 is the remainder of the unpaved fenced storage yard behind Building 369. A Record of Decision was completed for Site 11 in September 1999. EPA OU-04: Sites 2 & 17 Landfills. Sites 2 and 17 are located in undeveloped areas, in the foothills of the Santa Ana Mountains, in the eastern portion of MCAS El Toro. Site 2 occupies approximately 27 acres and is situated between Borrego Canyon Wash and one of its tributaries. The site is situated at an elevation approximately 500 feet above mean sea level and is bisected by a man-made drainage channel that trends in a northeast-southwest direction. Site 2 is bounded on the west by Magazine Road and a dirt road runs along the southern and eastern boundary. The operational landfill was used from the late 1950s until about 1980. Until recently, unauthorized disposal has occurred on an intermittent basis in Areas C1, C2, and D2. During the 1970's, all solid waste from MCAS El Toro and some waste from MCAS Tustin were disposed in the Site 2 operational landfill. The suspected types of waste include construction debris, municipal waste, batteries, waste oils, hydraulic fluids, paint residues, transformers, and waste solvents. It is also possible that equipment painted with radium paint, or other low-level radiological materials consistent with Station operations, could have been disposed into the Site 2 landfill. The landfill is not being used currently and has become overgrown with shrubs and grasses, including a few individual plants of coastal sage scrub, which serves as habitat for the California gnatcatcher, a federally listed threatened species. A fill cover of unknown thickness has been placed over the landfill. Site 17 occupies approximately 11 acres in a canyon west of the Magazine Road Landfill. The site is located in a small canyon and extends beyond the canyon mouth onto a flat, weed-covered field formerly used for agriculture. At its lower end, the landfill elevation is about 440 feet above mean sea level; at its upper end in the canyon, the elevation is about 570 feet above mean sea level. The landfill is covered with sparse vegetation and varying amounts of fill. At the time of the Phase II remedial investigation (RI), refuse was visible at several locations and the former wash in the canyon was largely obscured by refuse and soil from the excavation of an adjacent hilltop. The Site 17 landfill was actively used from 1981 to 1983 as a Stationwide disposal facility. The site boundaries represent the operational area of the landfill. Aerial photographs indicate that landfilling activities were under way as early as 1970 and continued through 1986. Suspected waste types disposed at the site include domestic waste and rubble, cooking grease, oils and fuels from sumps, and empty drums. Reportedly, any type of waste generated at MCAS El Toro may have been disposed at the landfill. It is also possible that equipment painted with radium paint, or other low-level radiological materials consistent with Station operations, could have been disposed into the Site 17 landfill. From 1996 to 1997, removal actions were undertaken at Sites 2 and 17. Actions included fencing the sites, removing drums and other debris from the surface of the landfill, and constructing drainage features to reduce the erosion that had been occurring at both sites. Sites 2 and 17 were addressed in an interim ROD that was signed in July 2000. The ROD was interim because it presented the selected remedial action for only vadose zone soil at Site 2 and for vadose zone soil and groundwater at Site 17. Remediation of groundwater at Site 2 will be addressed in the final ROD. A radiological survey was conducted at Sites 2 and 17 in August through October 2001. The final ROD will also summarize the results of the survey and address radiological contamination, if any, at both Sites 2 and 17. EPA OU-05:

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Sites 3 & 5 Landfills Sites 3 and 5 will be addressed in an OU-2C ROD that is expected to be issued to the public in 2002. EPA OU-6: No Further Action Sites Sites 4, 6, 9, 10, 13, 15, 19, 20, 21, and 22 were investigated, found to contain no unacceptable risks to human health or the environment, and recommended for no action. These sites were addressed along with Site 25 in the signed no action ROD, dated September 1997. EPA OU-07: Sites 7 & 14 - No Further Action Sites 7 and 14 were addressed in a no action ROD that was signed in June 2001. EPA OU-08: Site 1 EOD Range Site 1 is a former explosive ordnance disposal (EOD) range. A site-specific perchlorate investigation at this site showed that perchlorate was present above state and federal provisional action levels (PALs) at only one well, located in approximately the center of the site. Perchlorate was also present in 4 of 42 soil samples. However, none of the reported concentrations exceeded residential or industrial preliminary remediation goals. The evaluation of radionuclides confirmed that the radionuclides in groundwater at Former MCAS El Toro are naturally occurring and are not due to historical activities conducted at the Station. EPA OU-09: Site 16 Burn Pits Site 16, Crash Crew Training Pit No. 2, is located in the northwest quadrant of Former MCAS El Toro. The site consists of three units. Unit 1, Pits Perimeter Area is an approximately 320- by 260-foot oval-shaped area comprising a buffer zone surrounding three pits that were used for firefighter training exercises. During the operational life of Site 16, this area was regularly tilled as a fire-control measure. Unit 2, Main Fire-Fighting Pits, consists of three unlined earthen pits situated within the boundary of Unit 1. The largest pit, which was used for most of the training exercises and is still present at the site, is roughly circular (approximately 67 feet in diameter), and 2 to 3 feet deep. The residual fluids pit, located about 40 feet south of the main pit and connected to it by a buried pipe, is approximately 12 feet wide, 35 feet long, and 4 to 5 feet deep. The smaller third pit, roughly 10 feet by 3 feet, was used for training with handheld fire extinguishers. The pits have not been used since 1985, and the residual fluids and handheld fire-fighting training pits have been filled to the surrounding grade. Unit 3, Drainage Channel, is a low drainage swale located northwest of the pits. It slopes toward and terminates at a storm drain inlet near the intersection of El Toro Boulevard and closed Runway 21. This unit was recommended for no further action in the RI Report for Site 16. The ground surface at Site 16 consists of bare soil with partial vegetation cover in the area surrounding the main burn pit and along the drainage ditch. The bottom of the burn pit itself is bare soil, discolored as a result of the historical activities at this site. The former residual fluids pit has been partially covered by the asphalt pavement surrounding the current concrete-lined crash crew training pits located immediately south of Site 16. Surface drainage from the site appears to flow northwest to a storm drain, which eventually discharges into Bee Canyon Wash. The regional aquifer beneath Former MCAS El Toro is not currently a source of municipal drinking water because of widespread elevated concentrations of total dissolved solids (TDS) and nitrates that exceed water quality standards; however, groundwater in the vicinity of the Station is used for agricultural purposes. Between 1972 and 1985, Site 16 was used by Former MCAS El Toro crash crews as a training area for firefighters. Contamination at the site originated from residual fuels and combustible fluids that were placed in fire-fighting pits, ignited, and extinguished using water or fire extinguishers during fire-fighting practice sessions. Contaminants within the unlined pits have infiltrated the soil and, eventually, migrated into the groundwater. The primary medium of concern at Site 16 is groundwater, which is found at approximately 160 feet below ground surface (bgs). The only chemical of concern in groundwater is trichloroethene (TCE). TCE is present at concentrations above drinking water standards in a plume extending from approximately 200 feet upgradient of the main pit to approximately 330 feet downgradient of the main pit. Although petroleum

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hydrocarbons are present at Site 16, evaluation and cleanup of these contaminants is not addressed in this Record of Decision (ROD). Petroleum hydrocarbons from fuels and oils burned and released at the site will be addressed in the Petroleum Corrective Action Program. Investigations conducted at Site 16 include aerial photographic surveys, employee interviews, Phase I and Phase II RIs, pre-FS reportsampling, and an MPE pilot test conducted in support of the FFS. Data collected during the Site 16 RIs included results of shallow and deeper subsurface soils investigations, groundwater investigations, aerial photograph reviews, and interviews with Former MCAS El Toro personnel. Following closure of the base, the Department of Navy (DON) finalized an Environmental Impact Report/Environmental Impact Study in March 2002 to evaluate several alternatives for the reuse of the Station. The DON is currently working with the local community to determine an appropriate alternative for the Station. At this time, the most likely reuse of Site 16 is recreational (park). A ROD addressing Unit 3 of OU 9 was completed in August 2003.

CERCLIS Assessment History:

Action: DISCOVERY  
Date Started: Not reported  
Date Completed: 08/01/1986  
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
Date Started: Not reported  
Date Completed: 10/01/1986  
Priority Level: High

Action: SITE INSPECTION  
Date Started: Not reported  
Date Completed: 06/01/1987  
Priority Level: High

Action: HAZARD RANKING SYSTEM PACKAGE  
Date Started: Not reported  
Date Completed: 06/01/1987  
Priority Level: Not reported

Action: PROPOSAL TO NATIONAL PRIORITIES LIST  
Date Started: Not reported  
Date Completed: 06/24/1988  
Priority Level: Not reported

Action: FINAL LISTING ON NATIONAL PRIORITIES LIST  
Date Started: Not reported  
Date Completed: 02/21/1990  
Priority Level: Not reported

Action: Notice Letters Issued  
Date Started: Not reported  
Date Completed: 05/21/1990  
Priority Level: Not reported

Action: INTERAGENCY AGREEMENT NEGOTIATIONS  
Date Started: 07/01/1989  
Date Completed: 09/28/1990  
Priority Level: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Action:	FEDERAL INTERAGENCY AGREEMENT
Date Started:	09/28/1990
Date Completed:	09/28/1990
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION
Date Started:	09/28/1990
Date Completed:	12/17/1993
Priority Level:	Not reported
Action:	Restoration Advisory Board
Date Started:	04/01/1994
Date Completed:	Not reported
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	09/28/1990
Date Completed:	09/29/1997
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	09/28/1990
Date Completed:	09/29/1997
Priority Level:	Not reported
Action:	RECORD OF DECISION
Date Started:	Not reported
Date Completed:	09/29/1997
Priority Level:	Not reported
Action:	RECORD OF DECISION
Date Started:	Not reported
Date Completed:	09/29/1997
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL DESIGN
Date Started:	01/06/1998
Date Completed:	01/20/1999
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION
Date Started:	09/30/1997
Date Completed:	09/07/1999
Priority Level:	Not reported
Action:	RECORD OF DECISION
Date Started:	Not reported
Date Completed:	09/30/1999
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	09/28/1990
Date Completed:	07/12/2000
Priority Level:	Not reported
Action:	RECORD OF DECISION
Date Started:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Date Completed: 07/12/2000  
Priority Level: Not reported

Action: RECORD OF DECISION  
Date Started: Not reported  
Date Completed: 06/06/2001  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN  
Date Started: 03/01/2002  
Date Completed: Not reported  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 09/28/1990  
Date Completed: 06/27/2002  
Priority Level: Not reported

Action: RECORD OF DECISION  
Date Started: Not reported  
Date Completed: 06/27/2002  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL ACTION  
Date Started: 05/17/1999  
Date Completed: 06/30/2002  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 09/28/1990  
Date Completed: 06/30/2002  
Priority Level: Not reported

Action: TREATABILITY STUDY  
Date Started: 08/28/2000  
Date Completed: 08/28/2002  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 04/30/1994  
Date Completed: 08/30/2002  
Priority Level: Not reported

Action: RECORD OF DECISION  
Date Started: Not reported  
Date Completed: 08/16/2003  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 09/28/1990  
Date Completed: 03/07/2005  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL ACTION  
Date Started: 03/21/2005  
Date Completed: Not reported  
Priority Level: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EOR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Action:	FEDERAL FACILITY REMEDIAL DESIGN
Date Started:	01/13/2000
Date Completed:	03/31/2005
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL DESIGN
Date Started:	03/01/2003
Date Completed:	05/31/2005
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL ACTION
Date Started:	08/25/2005
Date Completed:	Not reported
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL DESIGN
Date Started:	07/12/2000
Date Completed:	11/22/2005
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	12/06/2005
Date Completed:	Not reported
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	10/25/2004
Date Completed:	12/19/2005
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL DESIGN
Date Started:	07/22/2005
Date Completed:	01/20/2006
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL ACTION
Date Started:	03/24/2005
Date Completed:	02/03/2006
Priority Level:	Final RA Report
Action:	RECORD OF DECISION
Date Started:	Not reported
Date Completed:	03/14/2006
Priority Level:	Not reported
Action:	Explanation Of Significant Differences
Date Started:	Not reported
Date Completed:	03/14/2006
Priority Level:	Not reported
Action:	FEDERAL FACILITY REMEDIAL INVESTIGATION
Date Started:	06/03/2005
Date Completed:	12/29/2006
Priority Level:	Not reported
Action:	FEDERAL FACILITY FEASIBILITY STUDY
Date Started:	01/29/2007

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Date Completed: Not reported  
Priority Level: Not reported

Action: FEDERAL FACILITY FEASIBILITY STUDY  
Date Started: 01/29/2007  
Date Completed: Not reported  
Priority Level: Not reported

Action: RECORD OF DECISION  
Date Started: Not reported  
Date Completed: 05/08/2007  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN  
Date Started: 09/12/2007  
Date Completed: Not reported  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL ACTION  
Date Started: 01/20/2006  
Date Completed: 10/09/2007  
Priority Level: Interim RA Report

RCRA-SQG:

Date form received by agency: 01/29/2002

Facility name: MARINE CORPS AIR STATION, EL TORO  
Facility address: MCAS EL TORO  
EL TORO, CA 92709

EPA ID: CA6170023208  
Mailing address: CARETAKER SITE OFFICE  
PO BOX 444  
EAST IRVINE, CA 92650

Contact: EDWARD L NUNN  
Contact address: Not reported

Contact country: Not reported  
Contact telephone: (619) 572-1404  
Contact email: Not reported

EPA Region: 09  
Land type: Federal

Classification: TSDF

Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

TSD commencement date: Not reported

Owner/Operator Summary:

Owner/operator name: U.S. MARINE CORPS  
Owner/operator address: Not reported  
Not reported

Owner/operator country: US  
Owner/operator telephone: Not reported

Legal status: Federal

Owner/Operator Type: Owner

Owner/Op start date: 03/17/1943

Owner/Op end date: Not reported

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	Unknown
Transporter of hazardous waste:	Unknown
Treater, storer or disposer of HW:	No
Underground injection activity:	Unknown
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	Unknown
Used oil processor:	Unknown
User oil refiner:	Unknown
Used oil fuel marketer to burner:	Unknown
Used oil Specification marketer:	Unknown
Used oil transfer facility:	Unknown
Used oil transporter:	Unknown
Off-site waste receiver:	Commercial status unknown

Universal Waste Summary:

Waste type:	Batteries
Accumulated waste on-site:	Unknown
Generated waste on-site:	Unknown

Waste type:	Lamps
Accumulated waste on-site:	Unknown
Generated waste on-site:	Unknown

Waste type:	Pesticides
Accumulated waste on-site:	Unknown
Generated waste on-site:	Unknown

Waste type:	Thermostats
Accumulated waste on-site:	Unknown
Generated waste on-site:	Unknown

Historical Generators:

Date form received by agency: 01/29/2002  
Facility name: MARINE CORPS AIR STATION, EL TORO  
Classification: Small Quantity Generator

Date form received by agency: 10/12/2000  
Facility name: MARINE CORPS AIR STATION, EL TORO  
Site name: MCAS EL TORO  
Classification: Large Quantity Generator

Date form received by agency: 04/15/1999  
Facility name: MARINE CORPS AIR STATION, EL TORO  
Site name: MCAS EL TORO  
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996  
Facility name: MARINE CORPS AIR STATION, EL TORO  
Site name: USMC AIR STATION EL TORO  
Classification: Large Quantity Generator

Date form received by agency: 01/31/1996

Map ID  
Direction  
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Facility name: MARINE CORPS AIR STATION, EL TORO  
Site name: USMC MCAS EL TORO  
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994  
Facility name: MARINE CORPS AIR STATION, EL TORO  
Site name: USMC MCAS EL TORO  
Classification: Large Quantity Generator

Date form received by agency: 10/26/1993  
Facility name: MARINE CORPS AIR STATION, EL TORO  
Site name: USMC AIR STATION EL TORO  
Classification: Large Quantity Generator

Date form received by agency: 02/29/1992  
Facility name: MARINE CORPS AIR STATION, EL TORO  
Site name: MCAS EL TORO FMD 1JG B.368  
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D040  
Waste name: TRICHLOROETHYLENE

Corrective Action Summary:

Event date: 10/01/1986  
Event: CA049PA

Event date: 10/01/1986  
Event: CA029SF

Event date: 06/01/1987  
Event: CA049SI

Event date: 10/24/1990  
Event: CMS Imposition

Event date: 10/24/1990  
Event: RFI Imposition

Event date: 04/20/1991  
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 01/01/1996  
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.

Event date: 05/01/1996  
Event: RFA Completed, Assessment was an RFA.

Event date: 01/23/1997  
Event: RFI Workplan Approved

Event date: 01/23/1997  
Event: RFI Approved

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Event date: 01/23/1997  
Event: CMS Approved

Event date: 01/23/1997  
Event: CMS Workplan Approved

Event date: 09/30/1997  
Event: Date For Remedy Selection (CM Imposed)

Event date: 06/17/1998  
Event: Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.

Event date: 06/17/1998  
Event: Current Human Exposures under Control, Current human exposures are NOT under control.

Event date: 06/17/1998  
Event: CA210SM

Event date: 06/17/1998  
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.

Event date: 07/23/2004  
Event: Corrective Action Process Terminated

Event date: 08/29/2005  
Event: Corrective Action Process Terminated

Facility Has Received Notices of Violations:

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 05/20/1997  
Date achieved compliance: 01/14/1998  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/20/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 05/20/1997  
Date achieved compliance: 01/14/1998  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/20/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C  
Area of violation: Generators - General  
Date violation determined: 05/20/1997  
Date achieved compliance: 01/14/1998  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/20/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I  
Area of violation: TSD - General  
Date violation determined: 05/20/1997  
Date achieved compliance: 01/14/1998  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/20/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 261.5  
Area of violation: Generators - General  
Date violation determined: 03/27/1996  
Date achieved compliance: 09/27/1996  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/27/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 03/27/1996  
Date achieved compliance: 09/27/1996  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/27/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 262.20-23.B  
Area of violation: Generators - General  
Date violation determined: 03/27/1996  
Date achieved compliance: 09/27/1996  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/27/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 262.40-43.D  
Area of violation: Generators - General  
Date violation determined: 03/27/1996  
Date achieved compliance: 09/27/1996  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/27/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 262.30-34.C  
Area of violation: Generators - General  
Date violation determined: 03/26/1996  
Date achieved compliance: 09/27/1996  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/27/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 04/19/1995  
Date achieved compliance: 05/01/1995  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/19/1995  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D  
Area of violation: TSD - General  
Date violation determined: 04/19/1995  
Date achieved compliance: 05/01/1995  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/19/1995  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I  
Area of violation: TSD - General  
Date violation determined: 04/19/1995  
Date achieved compliance: 05/01/1995  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/19/1995  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C  
Area of violation: TSD - General  
Date violation determined: 04/19/1995  
Date achieved compliance: 05/01/1995  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/19/1995  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C  
Area of violation: TSD - General  
Date violation determined: 12/28/1993  
Date achieved compliance: 01/17/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 12/28/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Regulation violated: FR - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 03/10/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 80500  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E  
Area of violation: TSD - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 04/26/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 42000  
Paid penalty amount: 42000

Regulation violated: FR - 264.70-77.E  
Area of violation: TSD - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 12/09/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 04/26/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 42000  
Paid penalty amount: 42000

Regulation violated: FR - 264.10-18.B

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)  
EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Area of violation: TSD - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 12/09/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 03/10/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 80500  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D  
Area of violation: Generators - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 03/10/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 80500  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D  
Area of violation: Generators - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 12/09/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C  
Area of violation: TSD - General

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)  
EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 04/26/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 42000  
Paid penalty amount: 42000

Regulation violated: FR - 264.70-77.E  
Area of violation: TSD - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 03/10/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 80500  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D  
Area of violation: Generators - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 04/26/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 42000  
Paid penalty amount: 42000

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 12/09/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 12/09/1992

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USMC AIR STATION EL TORO (Continued)

1000417911

Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 04/26/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 42000  
Paid penalty amount: 42000

Regulation violated: FR - 264.30-37.C  
Area of violation: TSD - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 03/10/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 80500  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 04/26/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 42000  
Paid penalty amount: 42000

Regulation violated: FR - 264.30-37.C  
Area of violation: TSD - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 12/09/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994

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EDR ID Number  
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USMC AIR STATION EL TORO (Continued)

1000417911

Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 03/10/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 80500  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 12/09/1992  
Date achieved compliance: 09/26/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 12/09/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I  
Area of violation: TSD - General  
Date violation determined: 10/05/1992  
Date achieved compliance: 12/09/1992  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/09/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 10/05/1992  
Date achieved compliance: 12/09/1992  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/09/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 09/30/1991  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA

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EDR ID Number  
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USMC AIR STATION EL TORO (Continued)

1000417911

Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/21/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.20-23.B  
Area of violation: Generators - General  
Date violation determined: 09/30/1991  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/21/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C  
Area of violation: TSD - General  
Date violation determined: 09/30/1991  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/21/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C  
Area of violation: Generators - General  
Date violation determined: 09/30/1991  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/21/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 09/30/1991  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL

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Database(s)  
EDR ID Number  
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USMC AIR STATION EL TORO (Continued)

1000417911

Enforcement action date: 10/21/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I  
Area of violation: TSD - General  
Date violation determined: 09/30/1991  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/21/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D  
Area of violation: Generators - General  
Date violation determined: 09/30/1991  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/21/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 09/30/1991  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/21/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 06/13/1990  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 08/06/1990

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USMC AIR STATION EL TORO (Continued)

1000417911

Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 06/13/1990  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/28/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 07/11/1989  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement action date: 08/17/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268.7  
Area of violation: LDR - General  
Date violation determined: 07/11/1989  
Date achieved compliance: 06/13/1990  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/17/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 07/11/1989  
Date achieved compliance: 06/13/1990  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 08/06/1990  
Enf. disposition status: Not reported

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USMC AIR STATION EL TORO (Continued)

1000417911

Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 07/11/1989  
Date achieved compliance: 06/13/1990  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/17/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 07/11/1989  
Date achieved compliance: 06/13/1990  
Violation lead agency: EPA  
Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement action date: 08/17/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 07/11/1989  
Date achieved compliance: 06/13/1990  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/17/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 07/11/1989  
Date achieved compliance: 06/13/1990  
Violation lead agency: EPA  
Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement action date: 08/17/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported

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Database(s)  
EDR ID Number  
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USMC AIR STATION EL TORO (Continued)

1000417911

Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268.7  
Area of violation: LDR - General  
Date violation determined: 07/11/1989  
Date achieved compliance: 06/13/1990  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/28/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 07/11/1989  
Date achieved compliance: 06/13/1990  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 08/06/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268.7  
Area of violation: LDR - General  
Date violation determined: 07/11/1989  
Date achieved compliance: 06/13/1990  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 08/06/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 07/11/1989  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/17/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA

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Database(s)  
EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 07/11/1989  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/28/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 07/11/1989  
Date achieved compliance: 06/13/1990  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/28/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268.7  
Area of violation: LDR - General  
Date violation determined: 07/11/1989  
Date achieved compliance: 06/13/1990  
Violation lead agency: EPA  
Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement action date: 08/17/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 07/11/1989  
Date achieved compliance: 06/13/1990  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/28/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported

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USMC AIR STATION EL TORO (Continued)

1000417911

Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 07/11/1989  
Date achieved compliance: 11/25/1991  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 08/06/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 08/17/1988  
Date achieved compliance: 07/11/1989  
Violation lead agency: EPA  
Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement action date: 11/17/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 08/17/1988  
Date achieved compliance: 07/11/1989  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 08/06/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 08/17/1988  
Date achieved compliance: 07/11/1989  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 08/06/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported

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EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 08/17/1988  
Date achieved compliance: 07/11/1989  
Violation lead agency: EPA  
Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement action date: 11/17/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 08/17/1988  
Date achieved compliance: 07/11/1989  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/28/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 08/17/1988  
Date achieved compliance: 07/11/1989  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 11/17/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 08/17/1988  
Date achieved compliance: 07/11/1989  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/28/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

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USMC AIR STATION EL TORO (Continued)

1000417911

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 08/17/1988  
Date achieved compliance: 07/11/1989  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 11/17/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 03/05/1987  
Date achieved compliance: 08/17/1988  
Violation lead agency: EPA  
Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement action date: 10/30/1987  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 03/05/1987  
Date achieved compliance: 08/17/1988  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268.7  
Area of violation: LDR - General  
Date violation determined: 03/05/1987  
Date achieved compliance: 08/17/1988  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

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USMC AIR STATION EL TORO (Continued)

1000417911

Evaluation Action Summary:

Evaluation date: 01/14/1998  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/20/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 01/14/1998  
Evaluation lead agency: State

Evaluation date: 05/20/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 01/14/1998  
Evaluation lead agency: State

Evaluation date: 03/26/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 09/27/1996  
Evaluation lead agency: State

Evaluation date: 03/30/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 05/01/1995  
Evaluation lead agency: State

Evaluation date: 11/17/1993  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 01/17/1994  
Evaluation lead agency: State

Evaluation date: 10/26/1992  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 09/26/1994  
Evaluation lead agency: State

Evaluation date: 10/26/1992  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 09/26/1994  
Evaluation lead agency: State

Evaluation date: 10/26/1992  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: LDR - General  
Date achieved compliance: 09/26/1994  
Evaluation lead agency: State

Evaluation date: 09/17/1992  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 06/17/1992  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 12/09/1992  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 06/17/1991  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 11/25/1991  
Evaluation lead agency: EPA

Evaluation date: 06/17/1991  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 11/25/1991  
Evaluation lead agency: EPA

Evaluation date: 06/13/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 11/25/1991  
Evaluation lead agency: EPA

Evaluation date: 07/11/1989  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Closure/Post-Closure  
Date achieved compliance: 06/13/1990  
Evaluation lead agency: EPA

Evaluation date: 07/11/1989  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: LDR - General  
Date achieved compliance: 06/13/1990  
Evaluation lead agency: EPA

Evaluation date: 07/11/1989  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 11/25/1991  
Evaluation lead agency: EPA

Evaluation date: 08/17/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 07/11/1989  
Evaluation lead agency: EPA

Evaluation date: 08/17/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Closure/Post-Closure  
Date achieved compliance: 07/11/1989  
Evaluation lead agency: EPA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Evaluation date: 03/05/1987  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: LDR - General  
Date achieved compliance: 08/17/1988  
Evaluation lead agency: EPA

Evaluation date: 03/05/1987  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 08/17/1988  
Evaluation lead agency: EPA

FINDS:

Other Pertinent Environmental Activity Identified at Site

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include: Incident Tracking, Compliance Assistance, and Compliance Monitoring.

NPL:

EPA ID: CA6170023208  
EPA Region: 09  
Federal: Y  
Final Date: 02/21/1990

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Category Details:

NPL Status: Currently on the Final NPL  
Category Description: Depth To Aquifer-> 50 And <= 100 Feet  
Category Value: 100  
  
NPL Status: Currently on the Final NPL  
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile  
Category Value: 10

Site Details:

Site Name: EL TORO MARINE CORPS AIR STATION  
Site Status: Final  
Site Zip: 92709  
Site City: EL TORO  
Site State: CA  
Federal Site: Yes  
Site County: ORANGE  
EPA Region: 09  
Date Proposed: 06/24/88  
Date Deleted: Not reported  
Date Finalized: 02/21/90

Substance Details:

NPL Status: Currently on the Final NPL  
Substance ID: Not reported  
Substance: Not reported  
CAS #: Not reported  
Pathway: Not reported  
Scoring: Not reported  
  
NPL Status: Currently on the Final NPL  
Substance ID: A046  
Substance: POLYCHLORINATED BIPHENYLS  
CAS #: 1336-36-3  
Pathway: NO PATHWAY INDICATED  
Scoring: 1  
  
NPL Status: Currently on the Final NPL  
Substance ID: D008  
Substance: LEAD (PB)  
CAS #: 7439-92-1  
Pathway: GROUND WATER PATHWAY  
Scoring: 3  
  
NPL Status: Currently on the Final NPL  
Substance ID: U044  
Substance: CHLOROFORM  
CAS #: 67-66-3  
Pathway: GROUND WATER PATHWAY  
Scoring: 4  
  
NPL Status: Currently on the Final NPL  
Substance ID: U210  
Substance: TETRACHLOROETHENE  
CAS #: 127-18-4  
Pathway: GROUND WATER PATHWAY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Scoring: 2

NPL Status: Currently on the Final NPL  
Substance ID: U211  
Substance: CARBON TETRACHLORIDE  
CAS #: 56-23-5  
Pathway: GROUND WATER PATHWAY  
Scoring: 4

NPL Status: Currently on the Final NPL  
Substance ID: U228  
Substance: TRICHLOROETHYLENE (TCE)  
CAS #: 79-01-6  
Pathway: NO PATHWAY INDICATED  
Scoring: 1

Summary Details:

Conditions at proposal June 24, 1988): The El Toro Marine Corps Air Station covers approximately 4,700 acres southeast of Santa Ana in El Toro, Orange County, California. Commissioned in 1943, it supports the Fleet Marine Forces in the Pacific Ocean. The surrounding area, once primarily agricultural, is urbaning rapidly. Station El Toro is participating in the Installation Restoration Program (IRP), established in 1978. Under the program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. As part of IRP, the Navy identified 21 problem areas at the station, including three landfills containing both hazardous and solid waste; buried drums of explosives and low-level radioactive waste; and areas where PCBs, battery acids, leaded fuels, and other hazardous substances were dumped or spilled. In tests conducted early in 1987, the Orange County Water District found trichloroethylene and tetrachloroethylene in shallow irrigation wells on and downgradient of the site. An estimated 1,100 acres of land are irrigated by wells within 3 miles of the site. Status February 21, 1990): In April 1989, Station El Toro prepared a Perimeter Investigation Interim Report which focused on four contaminated areas. Further studies are continuing to determine the extent and sources of contamination.

Site Status Details:

NPL Status: Final  
Proposed Date: 06/24/1988  
Final Date: 02/21/1990  
Deleted Date: Not reported

Narratives Details:

NPL Name: EL TORO MARINE CORPS AIR STATION  
City: EL TORO  
State: CA

CORRACTS:

EPA ID: CA6170023208  
EPA Region: 9  
Area Name: ENTIRE FACILITY  
Actual Date: 1/1/1996  
Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)  
EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Corrective Action at the facility or area referred to CERCLA  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CA6170023208  
EPA Region: 9  
Area Name: OU2A - VADOSE ZONE SOILS  
Actual Date: 1/23/1997  
Action: CA200 - RFI Approved  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CA6170023208  
EPA Region: 9  
Area Name: OU2A - VADOSE ZONE SOILS  
Actual Date: 1/23/1997  
Action: CA150 - RFI Workplan Approved  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CA6170023208  
EPA Region: 9  
Area Name: OU2A - VADOSE ZONE SOILS  
Actual Date: 1/23/1997  
Action: CA350 - CMS Approved  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CA6170023208  
EPA Region: 9  
Area Name: OU2A - VADOSE ZONE SOILS  
Actual Date: 1/23/1997  
Action: CA300 - CMS Workplan Approved  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CA6170023208  
EPA Region: 9  
Area Name: ENTIRE FACILITY  
Actual Date: 4/20/1991  
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

EPA ID: CA6170023208  
EPA Region: 9  
Area Name: ENTIRE FACILITY  
Actual Date: 6/17/1998  
Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CA6170023208  
EPA Region: 9  
Area Name: ENTIRE FACILITY  
Actual Date: 6/17/1998  
Action: CA225YE - Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CA6170023208  
EPA Region: 9  
Area Name: ENTIRE FACILITY  
Actual Date: 6/17/1998  
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CA6170023208  
EPA Region: 9  
Area Name: OU2A - VADOSE ZONE SOILS  
Actual Date: 9/30/1997  
Action: CA400 - Date For Remedy Selection (CM Imposed)  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CA6170023208  
EPA Region: 9  
Area Name: ENTIRE FACILITY  
Actual Date: 10/24/1990  
Action: CA100 - RFI Imposition  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

US ENG CONTROLS:

EPA ID: CA6170023208  
Site ID: 0902770  
Name: EL TORO MARINE CORPS AIR STATION  
Address: EL TORO MARINE CORPS AIR STA  
EL TORO M C A S  
EL TORO, CA 92709

EPA Region: 09  
County: ORANGE  
Event Code: Not reported  
Actual Date: Not reported

Action ID: 001  
Action Name: Explanation Of Significant Differences  
Action Completion date: 03/14/2006  
Planned Complet. date: Not reported  
Operable Unit: 01  
Contaminated Media : Groundwater  
Engineering Control: Discharge

Action ID: 001  
Action Name: Explanation Of Significant Differences  
Action Completion date: 03/14/2006  
Planned Complet. date: Not reported  
Operable Unit: 01  
Contaminated Media : Groundwater  
Engineering Control: ReInjection

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 06/27/2002  
Planned Complet. date: Not reported  
Operable Unit: 01  
Contaminated Media : Groundwater  
Engineering Control: Air Stripping

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 06/27/2002  
Planned Complet. date: Not reported  
Operable Unit: 01  
Contaminated Media : Groundwater  
Engineering Control: Carbon Adsorption

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 06/27/2002  
Planned Complet. date: Not reported  
Operable Unit: 01  
Contaminated Media : Groundwater  
Engineering Control: Extraction

Action ID: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Action Name: RECORD OF DECISION  
Action Completion date: 06/27/2002  
Planned Complet. date: Not reported  
Operable Unit: 01  
Contaminated Media : Groundwater  
Engineering Control: Monitoring

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1997  
Planned Complet. date: Not reported  
Operable Unit: 02  
Contaminated Media : Soil  
Engineering Control: Carbon Adsorption

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1997  
Planned Complet. date: Not reported  
Operable Unit: 02  
Contaminated Media : Soil  
Engineering Control: Monitoring

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1997  
Planned Complet. date: Not reported  
Operable Unit: 02  
Contaminated Media : Soil  
Engineering Control: Soil Vapor Extraction (SVE)

Action ID: 003  
Action Name: RECORD OF DECISION  
Action Completion date: 07/12/2000  
Planned Complet. date: Not reported  
Operable Unit: 04  
Contaminated Media : Groundwater  
Engineering Control: Leachate Control

Action ID: 003  
Action Name: RECORD OF DECISION  
Action Completion date: 07/12/2000  
Planned Complet. date: Not reported  
Operable Unit: 04  
Contaminated Media : Groundwater  
Engineering Control: Monitoring

Action ID: 003  
Action Name: RECORD OF DECISION  
Action Completion date: 07/12/2000  
Planned Complet. date: Not reported  
Operable Unit: 04  
Contaminated Media : Soil  
Engineering Control: Cap

Action ID: 006  
Action Name: RECORD OF DECISION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Action Completion date: 09/29/1997  
Planned Complet. date: Not reported  
Operable Unit: 06  
Contaminated Media : Sediment  
Engineering Control: No Action

Action ID: 006  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1997  
Planned Complet. date: Not reported  
Operable Unit: 06  
Contaminated Media : Soil  
Engineering Control: No Action

Action ID: 006  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1997  
Planned Complet. date: Not reported  
Operable Unit: 06  
Contaminated Media : Surface Water  
Engineering Control: No Action

Action ID: 007  
Action Name: RECORD OF DECISION  
Action Completion date: 06/06/2001  
Planned Complet. date: Not reported  
Operable Unit: 07  
Contaminated Media : Soil  
Engineering Control: No Action

Action ID: 011  
Action Name: RECORD OF DECISION  
Action Completion date: 08/16/2003  
Planned Complet. date: Not reported  
Operable Unit: 09  
Contaminated Media : Groundwater  
Engineering Control: Liquid Phase Carbon Adsorption

Action ID: 011  
Action Name: RECORD OF DECISION  
Action Completion date: 08/16/2003  
Planned Complet. date: Not reported  
Operable Unit: 09  
Contaminated Media : Groundwater  
Engineering Control: Monitoring

Action ID: 011  
Action Name: RECORD OF DECISION  
Action Completion date: 08/16/2003  
Planned Complet. date: Not reported  
Operable Unit: 09  
Contaminated Media : Groundwater  
Engineering Control: Natural Attenuation

Action ID: 011  
Action Name: RECORD OF DECISION  
Action Completion date: 08/16/2003

Map ID  
Direction  
Distance  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

USMC AIR STATION EL TORO (Continued)

1000417911

Planned Complet. date: Not reported  
Operable Unit: 09  
Contaminated Media : Soil  
Engineering Control: Monitoring

Action ID: 011  
Action Name: RECORD OF DECISION  
Action Completion date: 08/16/2003  
Planned Complet. date: Not reported  
Operable Unit: 09  
Contaminated Media : Soil  
Engineering Control: Surface Drainage Control

Action ID: 013  
Action Name: RECORD OF DECISION  
Action Completion date: 03/14/2006  
Planned Complet. date: Not reported  
Operable Unit: 02  
Contaminated Media : Soil  
Engineering Control: No Further Action

US INST CONTROL:

EPA ID: CA6170023208  
Site ID: 0902770  
Name: EL TORO MARINE CORPS AIR STATION  
Action Name: RECORD OF DECISION  
Address: EL TORO MARINE CORPS AIR STA  
EL TORO, CA 92709  
EPA Region: 09  
County: ORANGE  
Event Code: Not reported  
Inst. Control: Covenant  
Actual Date: Not reported  
Complet. Date: 06/27/2002  
Operable Unit: 01  
Contaminated Media : Groundwater

EPA ID: CA6170023208  
Site ID: 0902770  
Name: EL TORO MARINE CORPS AIR STATION  
Action Name: RECORD OF DECISION  
Address: EL TORO MARINE CORPS AIR STA  
EL TORO, CA 92709  
EPA Region: 09  
County: ORANGE  
Event Code: Not reported  
Inst. Control: Institutional Controls, (N.O.S.)  
Actual Date: Not reported  
Complet. Date: 07/12/2000  
Operable Unit: 04  
Contaminated Media : Groundwater

EPA ID: CA6170023208  
Site ID: 0902770  
Name: EL TORO MARINE CORPS AIR STATION  
Action Name: RECORD OF DECISION

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**USMC AIR STATION EL TORO (Continued)**

1000417911

Address: EL TORO MARINE CORPS AIR STA  
EL TORO, CA 92709  
EPA Region: 09  
County: ORANGE  
Event Code: Not reported  
Inst. Control: Land Use Restriction  
Actual Date: Not reported  
Comple. Date: 07/12/2000  
Operable Unit: 04  
Contaminated Media : Soil

1

**V.P. BAKER FILTRATION PLANT  
PALMWOOD NORTH OF PEACHWOOD  
EL TORO, CA 92630**

HIST UST U001576954  
N/A

< 1/8  
1 ft.

Relative:  
Lower

Actual:  
674 ft.

HIST UST:

Region: STATE  
Facility ID: 00000024474  
Facility Type: Other  
Other Type: FILTRATION PLANT  
Total Tanks: 0003  
Contact Name: LEE CARTWRIGHT  
Telephone: 7148300580  
Owner Name: LOS ALISOS WATER DISTRICT  
Owner Address: 22312 MUIRLANDS BLVD.  
Owner City,St,Zip: EL TORO, CA 92630

Tank Num: 001  
Container Num: 004  
Year Installed: 1980  
Tank Capacity: 00001000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: Not reported  
Leak Detection: Visual, Stock Inventor

Tank Num: 002  
Container Num: 005K  
Year Installed: 1980  
Tank Capacity: 00001000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Tank Construction: Not reported  
Leak Detection: Stock Inventor

Tank Num: 003  
Container Num: 006  
Year Installed: Not reported  
Tank Capacity: 00001000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Tank Construction: Not reported  
Leak Detection: Stock Inventor

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

2  
 NE  
 < 1/8  
 0.030 mi.  
 160 ft.

**SUNSTATE EQUIP LLC LAKE FOREST**  
 20772 INDIAN OCEAN DR  
 LAKE FOREST, CA 92630

AST A100184607  
 N/A

Relative:  
 Lower

AST:  
 Owner: SUNSTATE EQUIPMENT  
 Total Gallons: 2000

Actual:  
 636 ft.

3  
 NE  
 < 1/8  
 0.110 mi.  
 581 ft.

**GREENWASTE COMPOSTING**  
 20712 INDIAN OCEAN DR  
 LAKE FOREST CA, CA 92630

WMUDS/SWAT S104384477  
 N/A

Relative:  
 Lower

WMUDS/SWAT:  
 Edit Date: Not reported  
 Complexity: Not reported  
 Primary Waste: Solid Wastes  
 Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).  
 Secondary Waste: Not reported  
 Secondary Waste Type: Not reported  
 Base Meridian: Not reported  
 NPID: Not reported  
 Tonnage: 0  
 Regional Board ID: Not reported  
 Municipal Solid Waste: False  
 Superorder: False  
 Open To Public: False  
 Waste List: False  
 Agency Type: Private  
 Agency Name: PACIFIC WASTE MANAGEMENT  
 Agency Department: Not reported  
 Agency Address: 20712 INDIAN OCEAN DR.  
 Agency City,St,Zip: LAKE FOREST CA 92630  
 Agency Contact: GARY PLUMLEY  
 Agency Telephone: 7145988181  
 Land Owner Name: Not reported  
 Land Owner Address: Not reported  
 Land Owner City,St,Zip: Not reported  
 Land Owner Contact: Not reported  
 Land Owner Phone: Not reported  
 Region: 8  
 Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)  
 Facility Description: Not reported  
 Facility Telephone: Not reported  
 SWAT Facility Name: Not reported  
 Primary SIC: 2875  
 Secondary SIC: Not reported  
 Comments: Not reported  
 Last Facility Editors: Not reported  
 Waste Discharge System: True  
 Solid Waste Assessment Test Program: False  
 Toxic Pits Cleanup Act Program: False

Actual:  
 685 ft.

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

S104384477

**GREENWASTE COMPOSTING (Continued)**

Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	True
Regional Board Project Officer:	JPL
Number of WMUDS at Facility:	0
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	Historical - Any regulated facility for which the Regional Board has rescinded all WDRs or consciously allowed an NPDES permit to expire.
Self-Monitoring Rept. Frequency:	No Reporting Requirements
Waste Discharge System ID:	8 303062001
Solid Waste Information ID:	Not reported

4  
 NE  
 < 1/8  
 0.116 mi.  
 612 ft.

**THE YOUNG ENGINEERS INC**  
 25841 COMMERCENTRE DR  
 LAKE FOREST, CA 92630

RCRA-SQG 1001126700  
 FINDS CAR000017830  
 HAZNET

Relative:  
 Lower

Actual:  
 680 ft.

**RCRA-SQG:**

Date form received by agency: 02/07/1997  
 Facility name: THE YOUNG ENGINEERS INC  
 Facility address: 25841 COMMERCENTRE DR  
 LAKE FOREST, CA 92630  
 EPA ID: CAR000017830  
 Mailing address: P O BOX 278  
 LAKE FOREST, CA 926300278  
 Contact: PAT WELLS  
 Contact address: P O BOX 278  
 LAKE FOREST, CA 926300278  
 Contact country: US  
 Contact telephone: (714) 581-9411  
 Contact email: Not reported  
 EPA Region: 09  
 Classification: Small Small Quantity Generator  
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time.

**Owner/Operator Summary:**

Owner/operator name: THE YOUNG ENGINEERS INC  
 Owner/operator address: P O BOX 278  
 LAKE FOREST, CA 92630  
 Owner/operator country: Not reported  
 Owner/operator telephone: (714) 581-9411  
 Legal status: Private  
 Owner/Operator Type: Owner  
 Owner/Op start date: Not reported  
 Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: Unknown  
 Mixed waste (haz. and radioactive): Unknown

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

THE YOUNG ENGINEERS INC (Continued)

1001126700

Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: Unknown  
Furnace exemption: Unknown  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No  
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAR000017830  
Contact: PAT W WELLS/VICE PRESIDENT  
Telephone: 9495819411  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 278  
Mailing City,St,Zip: LAKE FOREST, CA 926090278  
Gen County: Orange  
TSD EPA ID: CAT080013352  
TSD County: Los Angeles  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Recycler  
Tons: 0.45  
Facility County: Not reported

Gepaid: CAR000017830  
Contact: PAT W WELLS/VICE PRESIDENT  
Telephone: 9495819411  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 278  
Mailing City,St,Zip: LAKE FOREST, CA 926090278  
Gen County: Orange  
TSD EPA ID: CAT080013352  
TSD County: Los Angeles  
Waste Category: Aqueous solution with less than 10% total organic residues

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

THE YOUNG ENGINEERS INC (Continued)

1001126700

Disposal Method: Recycler  
Tons: 0.45  
Facility County: Not reported

Gepaid: CAR000017830  
Contact: PAT W WELLS/VICE PRESIDENT  
Telephone: 9495819411  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 278  
Mailing City,St,Zip: LAKE FOREST, CA 926090278  
Gen County: Orange  
TSD EPA ID: CAT080013352  
TSD County: Los Angeles  
Waste Category: Waste oil and mixed oil  
Disposal Method: H03  
Tons: 0.22  
Facility County: Orange

Gepaid: CAR000017830  
Contact: PAT W WELLS/VICE PRESIDENT  
Telephone: 9495819411  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 278  
Mailing City,St,Zip: LAKE FOREST, CA 926090278  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Not reported  
Waste Category: Waste oil and mixed oil  
Disposal Method: Treatment, Tank  
Tons: 0.45  
Facility County: Not reported

Gepaid: CAR000017830  
Contact: PAT W WELLS/VICE PRESIDENT  
Telephone: 9495819411  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 278  
Mailing City,St,Zip: LAKE FOREST, CA 926090278  
Gen County: Orange  
TSD EPA ID: Not reported  
TSD County: Not reported  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Transfer Station  
Tons: 0.45  
Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access 42 additional CA\_HAZNET record(s) in the EDR Site Report.

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

5  
NE  
1/8-1/4  
0.198 mi.  
1047 ft.

**DYNACAST INC**  
25952 COMMERCENTRE DR  
LAKE FOREST, CA 92630

RCRA-SQG 1001217495  
FINDS CAR000035717  
HAZNET  
AIRS  
CA WDS

Relative:  
Lower

**RCRA-SQG:**

Date form received by agency: 01/26/1998  
Facility name: DYNACAST INC  
Facility address: 25952 COMMERCENTRE DR  
LAKE FOREST, CA 92630  
EPA ID: CAR000035717  
Contact: RICK VANKIRK  
Contact address: 25952 COMMERCENTRE DR  
LAKE FOREST, CA 92630  
Contact country: US  
Contact telephone: (714) 707-1211  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:  
691 ft.

**Owner/Operator Summary:**

Owner/operator name: SECURITY CAPITAL INVESTMENT  
Owner/operator address: 3621 S HARBOR BLVD  
SANTA ANA, CA 92704  
Owner/operator country: Not reported  
Owner/operator telephone: (714) 424-1800  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: Unknown  
Mixed waste (haz. and radioactive): Unknown  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: Unknown  
Furnace exemption: Unknown  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No  
Off-site waste receiver: Commercial status unknown

**Historical Generators:**

Date form received by agency: 01/26/1998  
Facility name: DYNACAST INC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

DYNACAST INC (Continued)

1001217495

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAR000035717  
Contact: KEVIN HARTNETT  
Telephone: 9497071211  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 25952 COMMERCENTRE DR  
Mailing City,St,Zip: LAKE FOREST, CA 926300000  
Gen County: Orange  
TSD EPA ID: CAD088504881  
TSD County: Orange  
Waste Category: Other inorganic solid waste  
Disposal Method: Transfer Station  
Tons: 26.25  
Facility County: Not reported

Gepaid: CAC001353304  
Contact: RICH HAUPT  
Telephone: 7147071211  
Facility Addr2: Not reported  
Mailing Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

DYNACAST INC (Continued)

1001217495

Mailing Address: 25952 COMMERCENTRE DR  
Mailing City,St,Zip: LAKE FOREST, CA 926300000  
Gen County: Orange  
TSD EPA ID: CAT000613893  
TSD County: Los Angeles  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Not reported  
Tons: 0.97  
Facility County: Not reported

Gepaid: CAC001353304  
Contact: DYNACAST INC  
Telephone: 7147071211  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 25952 COMMERCENTRE DR  
Mailing City,St,Zip: LAKE FOREST, CA 926300000  
Gen County: Orange  
TSD EPA ID: CAT000613893  
TSD County: Los Angeles  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Transfer Station  
Tons: 6.2213  
Facility County: Orange

Gepaid: CAC001353304  
Contact: RICH HAUPT  
Telephone: 7147071211  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 25952 COMMERCENTRE DR  
Mailing City,St,Zip: LAKE FOREST, CA 926300000  
Gen County: Orange  
TSD EPA ID: CAT000613893  
TSD County: Los Angeles  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Transfer Station  
Tons: 0.56  
Facility County: Orange

Gepaid: CAR000035717  
Contact: KEVIN HARTNETT  
Telephone: 9497071211  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 25952 COMMERCENTRE DR  
Mailing City,St,Zip: LAKE FOREST, CA 926300000  
Gen County: Orange  
TSD EPA ID: CAD008364432  
TSD County: Los Angeles  
Waste Category: Other inorganic solid waste  
Disposal Method: Transfer Station  
Tons: 1  
Facility County: Orange

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

DYNACAST INC (Continued)

1001217495

[Click this hyperlink](#) while viewing on your computer to access  
22 additional CA\_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 2001  
Carbon Monoxide Emissions Tons/Yr: 30  
Air Basin: SC  
Facility ID: 113251  
Air District Name: SC  
SIC Code: 9999  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Y  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 2  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 2  
NOX - Oxides of Nitrogen Tons/Yr: 13  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 2  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 2

Year: 2002  
Carbon Monoxide Emissions Tons/Yr: 30  
Air Basin: SC  
Facility ID: 113251  
Air District Name: SC  
SIC Code: 3364  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 18  
Reactive Organic Gases Tons/Yr: 4  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 4  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 4

Year: 2003  
Carbon Monoxide Emissions Tons/Yr: 30  
Air Basin: SC  
Facility ID: 113251  
Air District Name: SC  
SIC Code: 3364  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 18  
Reactive Organic Gases Tons/Yr: 4  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 4  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 4

Year: 2004  
Carbon Monoxide Emissions Tons/Yr: 30

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

DYNACAST INC (Continued)

1001217495

Air Basin: SC  
Facility ID: 113251  
Air District Name: SC  
SIC Code: 3364  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Y  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 17.9039  
Reactive Organic Gases Tons/Yr: 4.42  
Carbon Monoxide Emissions Tons/Yr: 0.7245  
NOX - Oxides of Nitrogen Tons/Yr: 2.1599  
SOX - Oxides of Sulphur Tons/Yr: 0.01582  
Particulate Matter Tons/Yr: 4.30502  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 3.58

Year: 2005  
Carbon Monoxide Emissions Tons/Yr: 30  
Air Basin: SC  
Facility ID: 113251  
Air District Name: SC  
SIC Code: 3364  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: .6083  
Reactive Organic Gases Tons/Yr: .30448386  
Carbon Monoxide Emissions Tons/Yr: 872  
NOX - Oxides of Nitrogen Tons/Yr: 1.9885  
SOX - Oxides of Sulphur Tons/Yr: .01463  
Particulate Matter Tons/Yr: 3.68764  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 3.0934852

CA WDS:

Facility ID: San Diego 30I014348  
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.  
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.  
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board  
Subregion: 9  
Facility Telephone: Not reported  
Facility Contact: Not reported  
Agency Name: DYNACAST INC  
Agency Address: Not reported  
Agency City,St,Zip: 0  
Agency Contact: Not reported  
Agency Telephone: Not reported  
Agency Type: Private  
SIC Code: 0  
SIC Code 2: Not reported  
Primary Waste: Not reported  
Primary Waste Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

DYNACAST INC (Continued)

1001217495

Secondary Waste: Not reported  
Secondary Waste Type: Not reported  
Design Flow: 0  
Baseline Flow: 0  
Reclamation: Not reported  
POTW: Not reported  
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.  
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

6  
East  
1/8-1/4  
0.210 mi.  
1109 ft.

CONWAY EXPRESS  
20697 PRISM PL  
LAKE FOREST, CA 92630

UST U003432928  
SWEEPS UST N/A

Relative:  
Lower

UST:  
Region: ORANGE  
Facility ID: FA0024234

Actual:  
639 ft.

SWEEPS UST:  
Status: A  
Comp Number: 11358  
Number: 9  
Board Of Equalization: Not reported  
Ref Date: 09-30-92  
Act Date: 09-15-92  
Created Date: 02-29-88  
Tank Status: A  
Owner Tank Id: Not reported  
Swrcb Tank Id: 30-000-011358-000001  
Actv Date: Not reported  
Capacity: 10000  
Tank Use: M.V. FUEL  
Stg: P  
Content: DIESEL  
Number Of Tanks: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site	Database(s)	EDR ID Number EPA ID Number
7 NE 1/8-1/4 0.231 mi. 1220 ft.	ARB INC 20602 INDIAN OCEAN LAKE FOREST, CA 92630	RCRA-SQG FINDS HAZNET UST 1004675755 CAR000076760

Relative:  
Higher

Actual:  
726 ft.

RCRA-SQG:

Date form received by agency: 03/03/2004  
Facility name: ARB INC  
Facility address: 20602 INDIAN OCEAN  
LAKE FOREST, CA 92630  
EPA ID: CAR000076760  
Contact: JERRY J CLEGHORN  
Contact address: 20602 INDIAN OCEAN  
LAKE FOREST, CA 92630  
Contact country: US  
Contact telephone: 949-465-7302  
Contact email: JCLEGHORN@ARBINC.COM  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JERRY CLEGHORN  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 06/15/1998  
Owner/Op end date: Not reported  
  
Owner/operator name: ARB INC  
Owner/operator address: 26000 COMMERCENTRE DRIVE  
LAKE FOREST, CA 92630  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1996  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ARB INC (Continued)

1004675755

User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No  
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 02/17/2004  
Facility name: ARB INC  
Classification: Small Quantity Generator

Date form received by agency: 07/03/2000  
Facility name: ARB INC  
Site name: A R B INC  
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D039  
Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAR000076760  
Contact: JERRY CLEGHORN SHOP FOREMAN  
Telephone: 9494657302  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 26000 COMMERCENTRE DR  
Mailing City,St,Zip: LAKE FOREST, CA 926300000  
Gen County: 00  
TSD EPA ID: CAD982042475  
TSD County: Solano  
Waste Category: Asbestos-containing waste  
Disposal Method: Disposal, Land Fill  
Tons: 20.22  
Facility County: Not reported

Gepaid: CAR000076760  
Contact: JERRY CLEGHORN SHOP FOREMAN  
Telephone: 9494657302  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 26000 COMMERCENTRE DR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ARB INC (Continued)

1004675755

Mailing City,St,Zip: LAKE FOREST, CA 926300000  
Gen County: 00  
TSD EPA ID: CAD982042475  
TSD County: Solano  
Waste Category: Asbestos-containing waste  
Disposal Method: Disposal, Land Fill  
Tons: 20.22  
Facility County: Not reported

Gepaid: CAR000076760  
Contact: JERRY CLEGHORN SHOP FOREMAN  
Telephone: 9494657302  
Facility Addr2: Not reported  
Mailing Name: CLEGHORN JERRY  
Mailing Address: 20602 INDIAN OCEAN  
Mailing City,St,Zip: LAKE FOREST, CA 926300000  
Gen County: 00  
TSD EPA ID: CAD982042475  
TSD County: 00  
Waste Category: Asbestos-containing waste  
Disposal Method: Disposal, Land Fill  
Tons: 85.96  
Facility County: 0

Gepaid: CAR000076760  
Contact: JERRY CLEGHORN SHOP FOREMAN  
Telephone: 9494657302  
Facility Addr2: Not reported  
Mailing Name: CLEGHORN JERRY  
Mailing Address: 20602 INDIAN OCEAN  
Mailing City,St,Zip: LAKE FOREST, CA 926300000  
Gen County: 00  
TSD EPA ID: CAL000153023  
TSD County: 00  
Waste Category: Asbestos-containing waste  
Disposal Method: Not reported  
Tons: 91.86  
Facility County: 0

Gepaid: CAR000076760  
Contact: JERRY CLEGHORN SHOP FOREMAN  
Telephone: 9494657302  
Facility Addr2: Not reported  
Mailing Name: CLEGHORN JERRY  
Mailing Address: 20602 INDIAN OCEAN  
Mailing City,St,Zip: LAKE FOREST, CA 926300000  
Gen County: 00  
TSD EPA ID: CAD981382732  
TSD County: 00  
Waste Category: Asbestos-containing waste  
Disposal Method: Disposal, Land Fill  
Tons: 88.49  
Facility County: 0

[Click this hyperlink](#) while viewing on your computer to access  
3 additional CA\_HAZNET record(s) in the EDR Site Report.

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

ARB INC (Continued)

1004675755

UST:

Region: ORANGE  
Facility ID: FA0024287

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EL TORO	1006836870	SITE 1 / EXPLOSIVE ORDINANCE DISPOSAL	N MAGAZINE RD	92630	FINDS
EL TORO	1000596206	LOS ALISO WATER DISTRICT	21082 WISTERIA	92630	RCRA-SQG, FINDS
EL TORO	S105023648	LOS ALISOS WATER DISTRICT	21802 WISTERIA	92630	LUST, Cortese
EL TORO	90175921	CONSTRUCTION SITE BET CREEK & EL TORRO	CONSTRUCTION SITE BET CREEK & EL TORRO	92630	ERNS
LAKE FOREST	U003659599	BAKER (LAWD)	21082 WISTERIA	92630	UST
LAKE FOREST	S105774118	LOS ALISOS WATER DISTRICT	21802 WISTERIA	92630	LUST

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## FEDERAL RECORDS

### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/31/2008	Source: EPA
Date Data Arrived at EDR: 02/08/2008	Telephone: N/A
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

### **NPL Site Boundaries**

#### Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/31/2008	Source: EPA
Date Data Arrived at EDR: 02/04/2008	Telephone: N/A
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 42	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

### **DELISTED NPL: National Priority List Deletions**

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/31/2008	Source: EPA
Date Data Arrived at EDR: 02/08/2008	Telephone: N/A
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 02/19/2008
Number of Days to Update: 56	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: No Update Planned

### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/09/2008	Source: EPA
Date Data Arrived at EDR: 02/05/2008	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 03/20/2008
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/16/2008
	Data Release Frequency: Quarterly

### CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 03/17/2008
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/16/2008
	Data Release Frequency: Quarterly

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/08/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/07/2008	Telephone: 202-564-6023
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2007	Source: EPA
Date Data Arrived at EDR: 12/18/2007	Telephone: 800-424-9346
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 03/03/2008
Number of Days to Update: 64	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

### RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/11/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Quarterly

### RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Quarterly

### RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/11/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

### RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/11/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/18/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2008	Telephone: 703-603-8905
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/02/2008
Number of Days to Update: 46	Next Scheduled EDR Contact: 03/31/2008
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/18/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2008	Telephone: 703-603-8905
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/02/2008
Number of Days to Update: 46	Next Scheduled EDR Contact: 03/31/2008
	Data Release Frequency: Varies

### ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/23/2008	Telephone: 202-267-2180
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/23/2008
Number of Days to Update: 54	Next Scheduled EDR Contact: 04/21/2008
	Data Release Frequency: Annually

### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/31/2007	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/17/2008	Telephone: 202-366-4555
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/17/2008
Number of Days to Update: 60	Next Scheduled EDR Contact: 04/14/2008
	Data Release Frequency: Annually

### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 02/14/2008	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/27/2008	Telephone: 202-366-4595
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/27/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 05/26/2008
	Data Release Frequency: Varies

### CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/28/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Quarterly

## US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 01/03/2008  
Date Data Arrived at EDR: 01/17/2008  
Date Made Active in Reports: 02/20/2008  
Number of Days to Update: 34

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 01/17/2008  
Next Scheduled EDR Contact: 03/10/2008  
Data Release Frequency: Semi-Annually

## DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 703-692-8801  
Last EDR Contact: 02/08/2008  
Next Scheduled EDR Contact: 05/05/2008  
Data Release Frequency: Semi-Annually

## FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 08/31/2007  
Date Made Active in Reports: 10/11/2007  
Number of Days to Update: 41

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 01/02/2008  
Next Scheduled EDR Contact: 03/31/2008  
Data Release Frequency: Varies

## LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005  
Date Data Arrived at EDR: 12/11/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 31

Source: Department of the Navy  
Telephone: 843-820-7326  
Last EDR Contact: 03/10/2008  
Next Scheduled EDR Contact: 06/09/2008  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 01/21/2008  
Next Scheduled EDR Contact: 04/21/2008  
Data Release Frequency: Varies

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/14/2008  
Date Data Arrived at EDR: 01/22/2008  
Date Made Active in Reports: 01/30/2008  
Number of Days to Update: 8

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 01/02/2008  
Next Scheduled EDR Contact: 03/31/2008  
Data Release Frequency: Annually

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 03/17/2008  
Next Scheduled EDR Contact: 06/16/2008  
Data Release Frequency: Varies

## ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 12/28/2007  
Date Data Arrived at EDR: 12/28/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 27

Source: EPA, Region 9  
Telephone: 415-972-3336  
Last EDR Contact: 03/24/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Varies

## MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/20/2007  
Date Data Arrived at EDR: 01/03/2008  
Date Made Active in Reports: 02/20/2008  
Number of Days to Update: 48

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 03/26/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Semi-Annually

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 04/27/2007	Telephone: 202-566-0250
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 02/29/2008
Number of Days to Update: 69	Next Scheduled EDR Contact: 06/16/2008
	Data Release Frequency: Annually

## **TSCA: Toxic Substances Control Act**

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 01/28/2008
Number of Days to Update: 46	Next Scheduled EDR Contact: 04/14/2008
	Data Release Frequency: Every 4 Years

**FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/2008	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 01/22/2008	Telephone: 202-566-1667
Date Made Active in Reports: 01/30/2008	Last EDR Contact: 03/17/2008
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/16/2008
	Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 01/15/2008	Source: EPA
Date Data Arrived at EDR: 01/22/2008	Telephone: 202-566-1667
Date Made Active in Reports: 01/30/2008	Last EDR Contact: 03/17/2008
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/16/2008
	Data Release Frequency: Quarterly

## **HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing**

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## **HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing**

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 03/13/2007  
Date Made Active in Reports: 04/27/2007  
Number of Days to Update: 45

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 01/28/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/27/2007  
Date Data Arrived at EDR: 08/13/2007  
Date Made Active in Reports: 10/11/2007  
Number of Days to Update: 59

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 02/07/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007  
Date Data Arrived at EDR: 02/07/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 39

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 02/07/2008  
Next Scheduled EDR Contact: 05/05/2008  
Data Release Frequency: Annually

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/2008  
Date Data Arrived at EDR: 02/07/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 39

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 01/02/2008  
Next Scheduled EDR Contact: 03/31/2008  
Data Release Frequency: Quarterly

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/29/2008  
Date Data Arrived at EDR: 01/31/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 46

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 01/31/2008  
Next Scheduled EDR Contact: 04/28/2008  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **FINDS:** Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/04/2008	Source: EPA
Date Data Arrived at EDR: 01/10/2008	Telephone: (415) 947-8000
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 01/02/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 03/31/2008
	Data Release Frequency: Quarterly

## **RAATS:** RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 03/03/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: No Update Planned

## **BRS:** Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 03/13/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/09/2008
	Data Release Frequency: Biennially

## **STATE AND LOCAL RECORDS**

### **HIST CAL-SITES:** Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/25/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/26/2008
	Data Release Frequency: No Update Planned

### **CA BOND EXP. PLAN:** Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 02/26/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/27/2008	Telephone: 916-323-3400
Date Made Active in Reports: 03/27/2008	Last EDR Contact: 02/27/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 02/25/2008
	Data Release Frequency: Quarterly

## TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 02/11/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: No Update Planned

## SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/12/2007	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 12/13/2007	Telephone: 916-341-6320
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 03/12/2008
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/09/2008
	Data Release Frequency: Quarterly

## WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 03/03/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

## CA WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 03/17/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 06/16/2008
	Data Release Frequency: Quarterly

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2001  
Date Data Arrived at EDR: 05/29/2001  
Date Made Active in Reports: 07/26/2001  
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information  
Telephone: 916-323-3400  
Last EDR Contact: 01/21/2008  
Next Scheduled EDR Contact: 04/21/2008  
Data Release Frequency: No Update Planned

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 01/07/2008  
Date Data Arrived at EDR: 01/09/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 36

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 01/09/2008  
Next Scheduled EDR Contact: 04/07/2008  
Data Release Frequency: Quarterly

## LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001  
Date Data Arrived at EDR: 04/23/2001  
Date Made Active in Reports: 05/21/2001  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-637-5595  
Last EDR Contact: 01/15/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: No Update Planned

## LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005  
Date Data Arrived at EDR: 02/15/2005  
Date Made Active in Reports: 03/28/2005  
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4496  
Last EDR Contact: 02/05/2008  
Next Scheduled EDR Contact: 05/05/2008  
Data Release Frequency: Varies

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005  
Date Data Arrived at EDR: 06/07/2005  
Date Made Active in Reports: 06/29/2005  
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Telephone: 760-241-7365  
Last EDR Contact: 01/02/2008  
Next Scheduled EDR Contact: 03/31/2008  
Data Release Frequency: No Update Planned

## LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003  
Date Data Arrived at EDR: 09/10/2003  
Date Made Active in Reports: 10/07/2003  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)  
Telephone: 530-542-5572  
Last EDR Contact: 03/03/2008  
Next Scheduled EDR Contact: 06/02/2008  
Data Release Frequency: No Update Planned

## LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calaveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 01/01/2008  
Date Data Arrived at EDR: 01/23/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-4834  
Last EDR Contact: 01/23/2008  
Next Scheduled EDR Contact: 03/31/2008  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 03/24/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: No Update Planned

## LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 02/11/2008
Number of Days to Update: 14	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: No Update Planned

## LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 01/07/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 04/07/2008
	Data Release Frequency: Quarterly

## LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 02/19/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: No Update Planned

## LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 01/07/2008	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/09/2008	Telephone: see region list
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/09/2008
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/07/2008
	Data Release Frequency: Quarterly

## LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 02/19/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 01/07/2008	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/09/2008	Telephone: 866-480-1028
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/09/2008
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/07/2008
	Data Release Frequency: Varies

## SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 02/19/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: No Update Planned

## SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 01/07/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 04/07/2008
	Data Release Frequency: Quarterly

## SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 02/11/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Semi-Annually

## SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 01/21/2008
Number of Days to Update: 47	Next Scheduled EDR Contact: 04/21/2008
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/23/2007  
Date Made Active in Reports: 04/06/2007  
Number of Days to Update: 42

Source: Office of Emergency Services  
Telephone: 916-845-8400  
Last EDR Contact: 02/19/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

## **NOTIFY 65:** Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993  
Date Data Arrived at EDR: 11/01/1993  
Date Made Active in Reports: 11/19/1993  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-445-3846  
Last EDR Contact: 01/15/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: No Update Planned

## **DEED:** Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 01/03/2008  
Date Data Arrived at EDR: 01/04/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 41

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 01/04/2008  
Next Scheduled EDR Contact: 03/31/2008  
Data Release Frequency: Semi-Annually

## **VCP:** Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 02/26/2008  
Date Data Arrived at EDR: 02/27/2008  
Date Made Active in Reports: 03/27/2008  
Number of Days to Update: 29

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/27/2008  
Next Scheduled EDR Contact: 05/26/2008  
Data Release Frequency: Quarterly

## **DRYCLEANERS:** Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 07/31/2007  
Date Data Arrived at EDR: 07/31/2007  
Date Made Active in Reports: 08/09/2007  
Number of Days to Update: 9

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 01/02/2008  
Next Scheduled EDR Contact: 03/31/2008  
Data Release Frequency: Annually

## **WIP:** Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/25/2007  
Date Data Arrived at EDR: 01/23/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 22

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 01/23/2008  
Next Scheduled EDR Contact: 04/21/2008  
Data Release Frequency: Varies

### CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 09/30/2007  
Date Data Arrived at EDR: 10/15/2007  
Date Made Active in Reports: 11/07/2007  
Number of Days to Update: 23

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 02/19/2008  
Next Scheduled EDR Contact: 04/21/2008  
Data Release Frequency: Varies

### RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 02/26/2008  
Date Data Arrived at EDR: 02/27/2008  
Date Made Active in Reports: 03/27/2008  
Number of Days to Update: 29

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/27/2008  
Next Scheduled EDR Contact: 05/26/2008  
Data Release Frequency: Quarterly

### HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 10/04/2007  
Date Made Active in Reports: 11/07/2007  
Number of Days to Update: 34

Source: California Environmental Protection Agency  
Telephone: 916-255-1136  
Last EDR Contact: 02/08/2008  
Next Scheduled EDR Contact: 05/05/2008  
Data Release Frequency: Annually

### EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 04/17/2007  
Date Made Active in Reports: 05/10/2007  
Number of Days to Update: 33

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 01/18/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: Varies

### ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup, and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/26/2008  
Date Data Arrived at EDR: 02/27/2008  
Date Made Active in Reports: 03/27/2008  
Number of Days to Update: 29

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/27/2008  
Next Scheduled EDR Contact: 05/26/2008  
Data Release Frequency: Quarterly

## **HAULERS:** Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.

Date of Government Version: 02/12/2008  
Date Data Arrived at EDR: 02/14/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 29

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 03/10/2008  
Next Scheduled EDR Contact: 06/09/2008  
Data Release Frequency: Varies

## **TRIBAL RECORDS**

### **INDIAN RESERV:** Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 02/08/2008  
Next Scheduled EDR Contact: 05/05/2008  
Data Release Frequency: Semi-Annually

### **INDIAN ODI:** Report on the Status of Open Dumps on Indian Lands Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 02/25/2008  
Next Scheduled EDR Contact: 05/26/2008  
Data Release Frequency: Varies

### **INDIAN LUST R7:** Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2007  
Date Data Arrived at EDR: 06/14/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 21

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 02/15/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

### **INDIAN LUST R8:** Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 02/20/2008  
Date Data Arrived at EDR: 03/04/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 13

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 02/15/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Quarterly

### **INDIAN LUST R1:** Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008  
Date Data Arrived at EDR: 03/14/2008  
Date Made Active in Reports: 03/20/2008  
Number of Days to Update: 6

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 02/15/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land**  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/28/2008	Source: EPA Region 6
Date Data Arrived at EDR: 02/29/2008	Telephone: 214-665-6597
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

**INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land**  
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/26/2008	Telephone: 415-972-3372
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Quarterly

**INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land**  
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/21/2008	Source: EPA Region 10
Date Data Arrived at EDR: 02/26/2008	Telephone: 206-553-2857
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Quarterly

**INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land**  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/05/2007	Source: EPA Region 4
Date Data Arrived at EDR: 10/02/2007	Telephone: 404-562-8677
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 02/15/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Semi-Annually

**INDIAN UST R1: Underground Storage Tanks on Indian Land**

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

**INDIAN UST R6: Underground Storage Tanks on Indian Land**

No description is available for this data

Date of Government Version: 02/28/2008	Source: EPA Region 6
Date Data Arrived at EDR: 02/29/2008	Telephone: 214-665-7591
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Semi-Annually

**INDIAN UST R7: Underground Storage Tanks on Indian Land**

No description is available for this data

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 02/15/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R9: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/25/2008	Source: EPA Region 9
Date Data Arrived at EDR: 02/26/2008	Telephone: 415-972-3368
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Quarterly

## INDIAN UST R4: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2007	Source: EPA Region 4
Date Data Arrived at EDR: 10/02/2007	Telephone: 404-562-9424
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 02/15/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Semi-Annually

## INDIAN UST R5: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 12/21/2007	Source: EPA Region 5
Date Data Arrived at EDR: 12/21/2007	Telephone: 312-886-6136
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 12/21/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/21/2008	Source: EPA Region 10
Date Data Arrived at EDR: 02/26/2008	Telephone: 206-553-2857
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Quarterly

## INDIAN UST R8: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/20/2008	Source: EPA Region 8
Date Data Arrived at EDR: 03/04/2008	Telephone: 303-312-6137
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Quarterly

## EDR PROPRIETARY RECORDS

### Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations**

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## **EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners**

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## **COUNTY RECORDS**

### **ALAMEDA COUNTY:**

#### **Contaminated Sites**

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/28/2008	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/29/2008	Telephone: 510-567-6700
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/21/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/21/2008
	Data Release Frequency: Semi-Annually

#### **Underground Tanks**

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/28/2008	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/29/2008	Telephone: 510-567-6700
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 01/21/2008
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/21/2008
	Data Release Frequency: Semi-Annually

### **CONTRA COSTA COUNTY:**

#### **Site List**

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 03/07/2008	Source: Contra Costa Health Services Department
Date Data Arrived at EDR: 03/11/2008	Telephone: 925-646-2286
Date Made Active in Reports: 03/27/2008	Last EDR Contact: 02/25/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 05/26/2008
	Data Release Frequency: Semi-Annually

### **FRESNO COUNTY:**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/16/2008	Source: Dept. of Community Health
Date Data Arrived at EDR: 01/17/2008	Telephone: 559-445-3271
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/17/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 02/04/2008
	Data Release Frequency: Semi-Annually

## KERN COUNTY:

### Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing

Date of Government Version: 12/17/2007	Source: Kern County Environment Health Services Department
Date Data Arrived at EDR: 12/18/2007	Telephone: 661-862-8700
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 03/17/2008
Number of Days to Update: 52	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

## LOS ANGELES COUNTY:

### San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998	Source: EPA Region 9
Date Data Arrived at EDR: 07/07/1999	Telephone: 415-972-3178
Date Made Active in Reports: N/A	Last EDR Contact: 02/19/2008
Number of Days to Update: 0	Next Scheduled EDR Contact: 04/14/2008
	Data Release Frequency: No Update Planned

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/29/2007	Source: Department of Public Works
Date Data Arrived at EDR: 01/22/2008	Telephone: 626-458-3517
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 02/11/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 02/12/2008	Source: La County Department of Public Works
Date Data Arrived at EDR: 02/21/2008	Telephone: 818-458-5185
Date Made Active in Reports: 03/27/2008	Last EDR Contact: 02/14/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Varies

### City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2007	Source: Engineering & Construction Division
Date Data Arrived at EDR: 03/27/2007	Telephone: 213-473-7869
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 03/12/2008
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/09/2008
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/30/2007	Source: Community Health Services
Date Data Arrived at EDR: 07/11/2007	Telephone: 323-890-7806
Date Made Active in Reports: 08/09/2007	Last EDR Contact: 02/11/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Annually

## City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/11/2008	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 02/21/2008	Telephone: 310-524-2236
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/11/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Semi-Annually

## City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 10/23/2003	Telephone: 562-570-2563
Date Made Active in Reports: 11/26/2003	Last EDR Contact: 02/19/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Annually

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/26/2008	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 02/27/2008	Telephone: 310-618-2973
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/25/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Semi-Annually

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 02/04/2008	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 02/21/2008	Telephone: 415-499-6647
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Semi-Annually

## NAPA COUNTY:

### Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 01/16/2008	Telephone: 707-253-4269
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 03/24/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008  
Date Data Arrived at EDR: 01/16/2008  
Date Made Active in Reports: 02/08/2008  
Number of Days to Update: 23

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 03/24/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Annually

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 12/03/2007  
Date Data Arrived at EDR: 12/19/2007  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 57

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 06/02/2008  
Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 12/03/2007  
Date Data Arrived at EDR: 12/21/2007  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 55

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 06/02/2008  
Data Release Frequency: Quarterly

### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 12/03/2007  
Date Data Arrived at EDR: 12/19/2007  
Date Made Active in Reports: 02/08/2008  
Number of Days to Update: 51

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 06/02/2008  
Data Release Frequency: Quarterly

## PLACER COUNTY:

### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/23/2007  
Date Data Arrived at EDR: 07/23/2007  
Date Made Active in Reports: 08/09/2007  
Number of Days to Update: 17

Source: Placer County Health and Human Services  
Telephone: 530-889-7312  
Last EDR Contact: 03/17/2008  
Next Scheduled EDR Contact: 06/16/2008  
Data Release Frequency: Semi-Annually

## RIVERSIDE COUNTY:

### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 08/06/2007  
Date Data Arrived at EDR: 08/07/2007  
Date Made Active in Reports: 09/26/2007  
Number of Days to Update: 50

Source: Department of Public Health  
Telephone: 951-358-5055  
Last EDR Contact: 01/15/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 08/06/2007	Source: Health Services Agency
Date Data Arrived at EDR: 08/07/2007	Telephone: 951-358-5055
Date Made Active in Reports: 09/24/2007	Last EDR Contact: 01/15/2008
Number of Days to Update: 48	Next Scheduled EDR Contact: 04/14/2008
	Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### Contaminated Sites

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/11/2008	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 02/27/2008	Telephone: 916-875-8406
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/27/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

### ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/11/2008	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 02/27/2008	Telephone: 916-875-8406
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/27/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

## SAN BERNARDINO COUNTY:

### Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/28/2007	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 12/28/2007	Telephone: 909-387-3041
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 03/03/2008
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/03/2007
	Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/16/2005	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 05/18/2005	Telephone: 619-338-2268
Date Made Active in Reports: 06/16/2005	Last EDR Contact: 01/04/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 03/31/2008
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/2007  
Date Data Arrived at EDR: 02/05/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 9

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 02/19/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

## Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 08/22/2007  
Date Data Arrived at EDR: 10/03/2007  
Date Made Active in Reports: 11/07/2007  
Number of Days to Update: 35

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 01/04/2008  
Next Scheduled EDR Contact: 03/31/2008  
Data Release Frequency: Varies

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 03/03/2008  
Date Data Arrived at EDR: 03/04/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 03/03/2008  
Next Scheduled EDR Contact: 06/02/2008  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 03/03/2008  
Date Data Arrived at EDR: 03/04/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 10

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 03/03/2008  
Next Scheduled EDR Contact: 06/02/2008  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

### San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 02/01/2008  
Date Data Arrived at EDR: 02/26/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 17

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 01/15/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: Semi-Annually

## SAN MATEO COUNTY:

### Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 01/31/2008  
Date Data Arrived at EDR: 02/01/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 13

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 10/09/2007  
Next Scheduled EDR Contact: 01/07/2008  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 01/09/2008  
Date Data Arrived at EDR: 01/11/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 01/07/2008  
Next Scheduled EDR Contact: 04/07/2008  
Data Release Frequency: Semi-Annually

## SANTA CLARA COUNTY:

### HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/24/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: No Update Planned

### LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 02/01/2008  
Date Data Arrived at EDR: 02/05/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 9

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 03/24/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Varies

### Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 03/04/2008  
Date Data Arrived at EDR: 03/04/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 10

Source: City of San Jose Fire Department  
Telephone: 408-277-4659  
Last EDR Contact: 03/03/2008  
Next Scheduled EDR Contact: 06/02/2008  
Data Release Frequency: Annually

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/24/2007  
Date Data Arrived at EDR: 10/23/2007  
Date Made Active in Reports: 11/07/2007  
Number of Days to Update: 15

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/24/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 01/07/2008  
Date Data Arrived at EDR: 01/30/2008  
Date Made Active in Reports: 02/08/2008  
Number of Days to Update: 9

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/24/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/22/2008	Source: Department of Health Services
Date Data Arrived at EDR: 01/22/2008	Telephone: 707-565-6565
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/21/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 04/21/2008
	Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 05/04/2007	Telephone: 530-822-7500
Date Made Active in Reports: 05/24/2007	Last EDR Contact: 01/02/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 03/31/2008
	Data Release Frequency: Semi-Annually

## VENTURA COUNTY:

### Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 11/26/2007	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 01/07/2008	Telephone: 805-654-2813
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 03/12/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/09/2008
	Data Release Frequency: Quarterly

### Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2007	Source: Environmental Health Division
Date Data Arrived at EDR: 08/29/2007	Telephone: 805-654-2813
Date Made Active in Reports: 09/26/2007	Last EDR Contact: 02/19/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Annually

### Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 11/26/2007	Source: Environmental Health Division
Date Data Arrived at EDR: 01/07/2008	Telephone: 805-654-2813
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 03/12/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/09/2008
	Data Release Frequency: Quarterly

### Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/26/2007	Source: Environmental Health Division
Date Data Arrived at EDR: 01/09/2008	Telephone: 805-654-2813
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 01/09/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 04/07/2008
	Data Release Frequency: Quarterly

## YOLO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 01/29/2008  
Date Data Arrived at EDR: 02/20/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 23

Source: Yolo County Department of Health  
Telephone: 530-666-8646  
Last EDR Contact: 01/28/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: Annually

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 06/15/2007  
Date Made Active in Reports: 08/20/2007  
Number of Days to Update: 66

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 03/14/2008  
Next Scheduled EDR Contact: 06/09/2008  
Data Release Frequency: Annually

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007  
Date Data Arrived at EDR: 12/04/2007  
Date Made Active in Reports: 12/31/2007  
Number of Days to Update: 27

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 01/03/2008  
Next Scheduled EDR Contact: 03/31/2008  
Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/26/2007  
Date Data Arrived at EDR: 11/29/2007  
Date Made Active in Reports: 02/05/2008  
Number of Days to Update: 68

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 02/28/2008  
Next Scheduled EDR Contact: 05/26/2008  
Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 12/21/2007  
Date Made Active in Reports: 01/10/2008  
Number of Days to Update: 20

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 03/10/2008  
Next Scheduled EDR Contact: 06/09/2008  
Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 10/01/2007  
Date Data Arrived at EDR: 11/09/2007  
Date Made Active in Reports: 01/15/2008  
Number of Days to Update: 67

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 03/17/2008  
Next Scheduled EDR Contact: 06/16/2008  
Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **WI MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006

Date Data Arrived at EDR: 04/27/2007

Date Made Active in Reports: 06/08/2007

Number of Days to Update: 42

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 01/07/2008

Next Scheduled EDR Contact: 04/07/2008

Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### **Electric Power Transmission Line Data**

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### **AHA Hospitals:**

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### **Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### **Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### **Daycare Centers: Licensed Facilities**

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

### STREET AND ADDRESS INFORMATION

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## GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

FORMER IRWD SITE  
COMMERCENTRE DRIVE/BISCAYNE PARKWAY DRIVE  
LAKE FOREST, CA 92630

### TARGET PROPERTY COORDINATES

Latitude (North):	33.66010 - 33° 39' 36.4"
Longitude (West):	117.68269 - 117° 40' 57.7"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	436703.1
UTM Y (Meters):	3724485.2
Elevation:	695 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	33117-F6 EL TORO, CA
Most Recent Revision:	1982

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

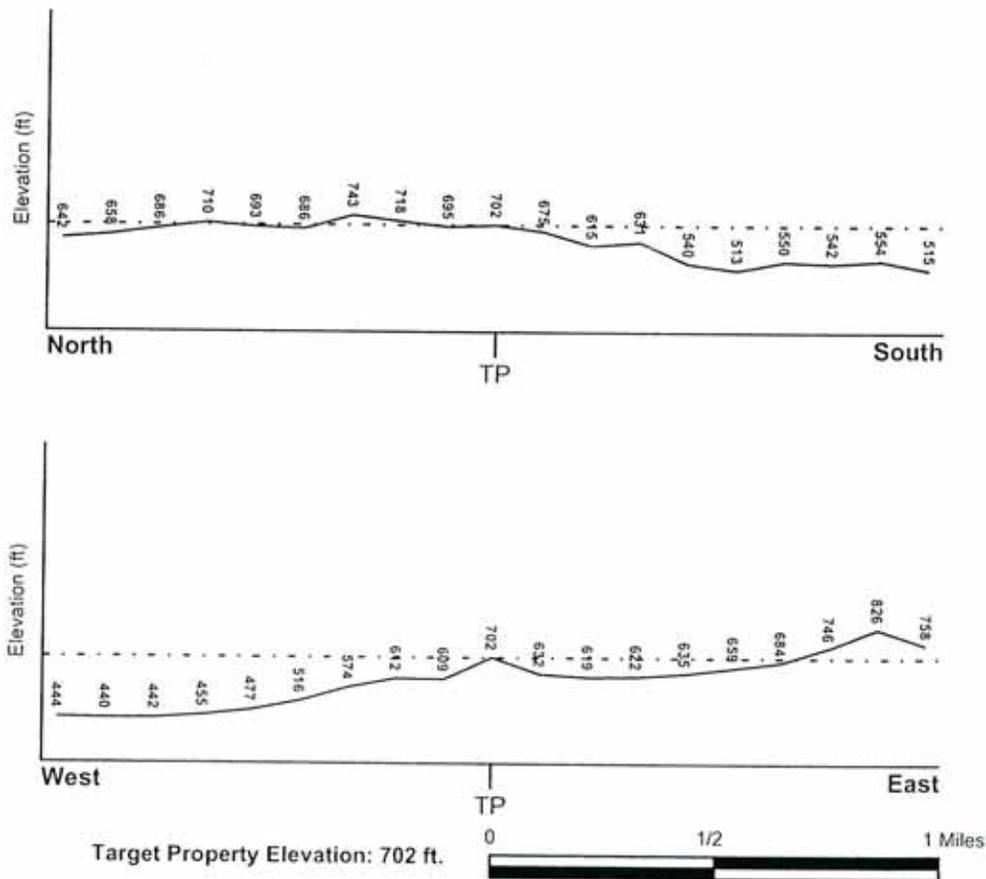
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

Target Property County  
ORANGE, CA

FEMA Flood Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06059C0050F

Additional Panels in search area: 06059C0049F  
06059C0058F

## NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
EL TORO

NWI Electronic Data Coverage  
Not Available

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### *Site-Specific Hydrogeological Data\*:*

Search Radius: 1.25 miles  
Status: Not found

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
A2	1/2 - 1 Mile SSW	W
A3	1/2 - 1 Mile SSW	W

For additional site information, refer to Physical Setting Source Map Findings.

\* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### ROCK STRATIGRAPHIC UNIT

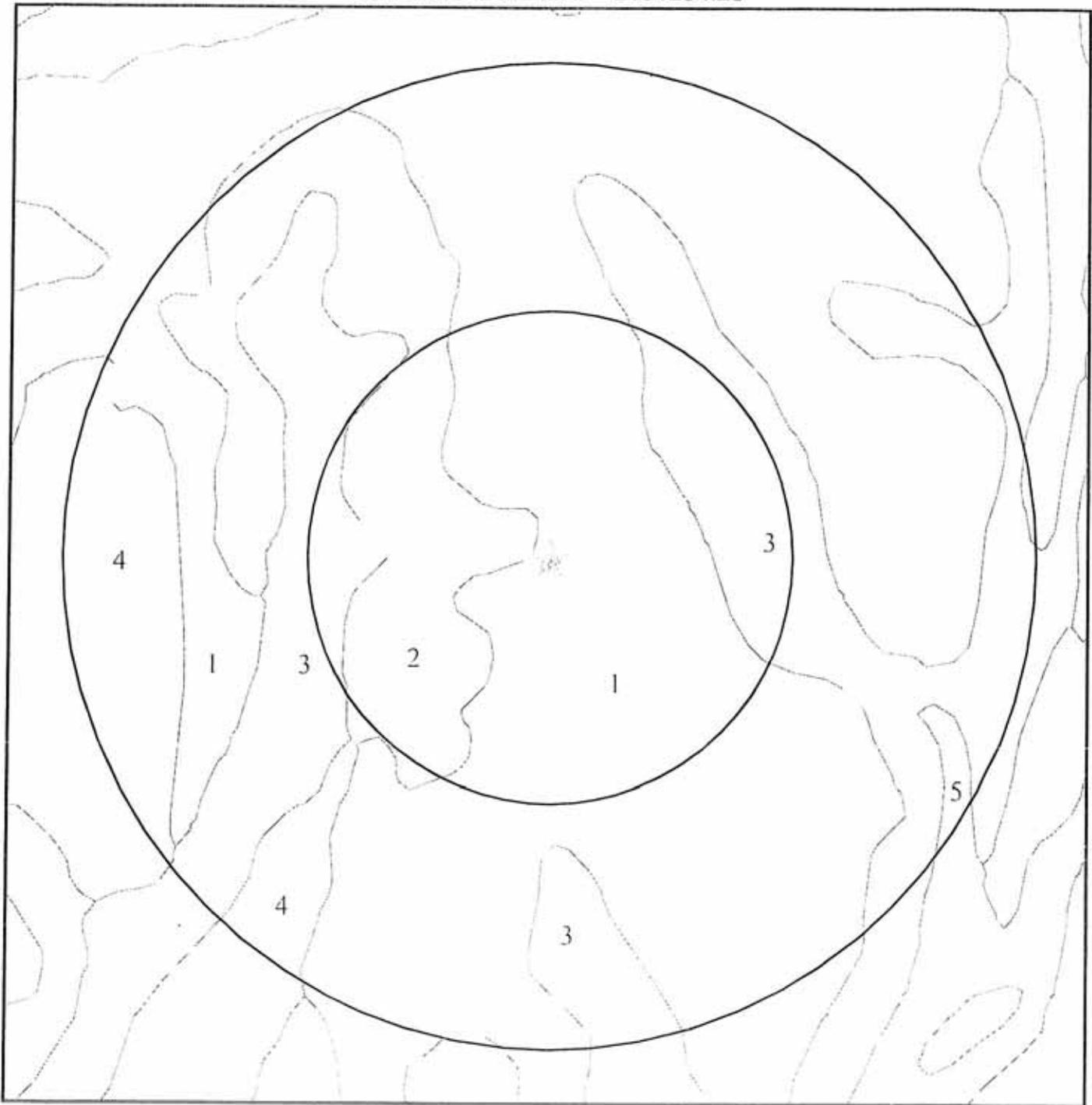
Era: Cenozoic  
System: Tertiary  
Series: Miocene  
Code: Tm (decoded above as Era, System & Series)

#### GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 2181254.2s



Target Property  
SSURGO Soil  
Water



SITE NAME: Former IRWD Site  
ADDRESS: Commercentre Drive/Biscayne Parkway Drive  
Lake Forest CA 92630  
LAT/LONG: 33.6601 / 117.6827

CLIENT: Leighton and Associates, Inc.  
CONTACT: Meredith Church  
INQUIRY #: 2181254.2s  
DATE: March 28, 2008 5:31 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

#### Soil Map ID: 1

Soil Component Name: CIENEBA

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	7 inches	11 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:

#### Soil Map ID: 2

Soil Component Name: CALLEGUAS

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:
2	14 inches	18 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:

### Soil Map ID: 3

Soil Component Name: CAPISTRANO

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	27 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.6
2	27 inches	64 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.6

**Soil Map ID: 4**

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay, FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	7 inches	11 inches	sandy clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
3	11 inches	20 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
4	20 inches	64 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
5	64 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

Soil Map ID: 5

Soil Component Name: RIVERWASH

Soil Surface Texture: sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: Min:
2	5 inches	59 inches	stratified coarse sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: Min:

**Soil Map ID: 6**

Soil Component Name: CAPISTRANO

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	27 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.6
2	27 inches	64 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.6

**Soil Map ID: 7**

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	11 inches	18 inches	sandy clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
3	18 inches	27 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
4	27 inches	70 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
5	70 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	6936	1/4 - 1/2 Mile NE
B4	7045	1/2 - 1 Mile ENE
B5	7043	1/2 - 1 Mile ENE

## OTHER STATE DATABASE INFORMATION

### STATE OIL/GAS WELL INFORMATION

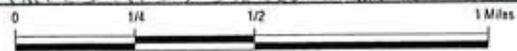
<u>DISTANCE FROM TP (Miles)</u>	<u>DISTANCE FROM TP (Miles)</u>
1/2 - 1 Mile WSW	1/4 - 1/2 Mile SSW
1/2 - 1 Mile SW	

PHYSICAL SETTING SOURCE MAP - 2181254.2s



- ↘ County Boundary
- ↘ Major Roads
- ↘ Contour Lines
- ↘ Earthquake Fault Lines
- ✈ Airports
- ⊙ Earthquake epicenter, Richter 5 or greater
- ⊙ Water Wells
- ⊙ Public Water Supply Wells
- Cluster of Multiple Icons

- ↑ Groundwater Flow Direction
- (GI) Indeterminate Groundwater Flow at Location
- (GV) Groundwater Flow Varies at Location
- (HD) Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Former IRWD Site  
 ADDRESS: Commercentre Drive/Biscayne Parkway Drive  
 Lake Forest CA 92630  
 LAT/LONG: 33.6601 / 117.6827

CLIENT: Leighton and Associates, Inc.  
 CONTACT: Meredith Church  
 INQUIRY #: 2181254.2s  
 DATE: March 28, 2008 5:31 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

1 NE 1/4 - 1/2 Mile Higher	CA WELLS	6936
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**Water System Information:**

Prime Station Code: 06S/04W-09L04 S	User ID: WAT	
FRDS Number: 3310012015	County: Riverside	
District Number: 14	Station Type: WELL/AMBNT/MUN/INTAKE	
Water Type: Well/Groundwater	Well Status: Abandoned	
Source Lat/Long: 333950.0 1174035.0	Precision: 100 Feet (one Second)	
Source Name: SAN JACINTO WELL - ABANDONED		
System Number: 3310012		
System Name: ELSINORE VALLEY MWD		
Organization That Operates System: P.O. BOX 3000 LAKE ELSINORE, CA 92531		
Pop Served: 59200	Connections: 21140	
Area Served: LAKE ELSINORE VICINITY		

A2 SSW 1/2 - 1 Mile Lower	Site ID: 083002096T Groundwater Flow: W Shallow Water Depth: Not Reported Deep Water Depth: Not Reported Average Water Depth: 47 Date: 06/03/1992	AQUIFLOW	38975
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A3 SSW 1/2 - 1 Mile Lower	Site ID: 083002096T Groundwater Flow: W Shallow Water Depth: Not Reported Deep Water Depth: Not Reported Average Water Depth: 47 Date: 06/03/1992	AQUIFLOW	38974
------------------------------------	--	----------	-------

B4 ENE 1/2 - 1 Mile Lower	CA WELLS	7045
------------------------------------	----------	------

**Water System Information:**

Prime Station Code: 06S/08W-12L02 S	User ID: TEE	
FRDS Number: 3010091004	County: Orange	
District Number: 08	Station Type: WELL/AMBNT/MUN/INTAKE	
Water Type: Well/Groundwater	Well Status: Active Untreated	
Source Lat/Long: 333950.0 1174000.0	Precision: 10 Feet (1/10 Second)	
Source Name: WELL 04		
System Number: 3010091		
System Name: LOS ALISOS WD		
Organization That Operates System: P O BOX 699 EL TORO 92630		
Pop Served: 38000	Connections: 11645	
Area Served: EL TORO		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

---

B5		
ENE	CA WELLS	7043
1/2 - 1 Mile		
Lower		

**Water System Information:**

Prime Station Code: 06S/08W-01N01 S  
FRDS Number: 3010091005  
District Number: 08  
Water Type: Well/Groundwater  
Source Lat/Long: 333950.0 1174000.0  
Source Name: WELL 07  
System Number: 3010091  
System Name: LOS ALISOS WD  
Organization That Operates System:

User ID: TEE  
County: Orange  
Station Type: WELL/AMBNT/MUN/INTAKE/SUPPLY  
Well Status: Active Untreated  
Precision: 0.5 Mile (30 Seconds)

P O BOX 699  
EL TORO 92630  
Pop Served: 38000  
Area Served: EL TORO

Connections: 11645

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction  
Distance

Database EDR ID Number

**WSW**  
1/2 - 1 Mile

OIL\_GAS CAOG30000008493

Apinumber:	05901203	Operator:	CalResources LLC
Lease:	El Toro Corehole	Well no:	17
Field:	ORANGE COUNTY	Caoilgas m2 area:	Not Reported
Map:	W1-4	Status cod:	006
Source:	hud		
Latitude:	33.656478		
Longitude:	-117.691191		
Td:	2048		
Sec:	14		
Twn:	6S	Rge:	8W
Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	Not Reported
District:	1	Mapinfo id:	28505
Site id:	CAOG30000008493		

**SSW**  
1/4 - 1/2 Mile

OIL\_GAS CAOG30000008478

Apinumber:	05901074	Operator:	Morton and Sons
Lease:	El Toro Co.	Well no:	14-1
Field:	ORANGE COUNTY	Caoilgas m2 area:	Not Reported
Map:	W1-4	Status cod:	006
Source:	hud		
Latitude:	33.656143		
Longitude:	-117.683832		
Td:	6528		
Sec:	14		
Twn:	6S	Rge:	8W
Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	Not Reported
District:	1	Mapinfo id:	28504
Site id:	CAOG30000008478		

**SW**  
1/2 - 1 Mile

OIL\_GAS CAOG30000008388

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	05901204	Operator:	CalResources LLC
Lease:	El Toro Corehole	Well no:	18
Field:	ORANGE COUNTY	Caoligas m2 area:	Not Reported
Map:	W1-4	Status cod:	006
Source:	hud		
Latitude:	33.651601		
Longitude:	-117.691753		
Td:	2464		
Sec:	14		
Twn:	6S	Rge:	8W
Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	Not Reported
District:	1	Mapinfo id:	28506
Site id:	CAOG30000008388		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
92630	18	0	0.00

Federal EPA Radon Zone for ORANGE County: 3

- Note: Zone 1 indoor average level > 4 pCi/L  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L  
 : Zone 3 indoor average level < 2 pCi/L

Federal Area Radon Information for Zip Code: 92630

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported



## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

**Airport Landing Facilities:** Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

**Epicenters:** World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

**California Earthquake Fault Lines:** The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### STREET AND ADDRESS INFORMATION

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# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### **PWS: Public Water Systems**

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### **PWS ENF: Public Water Systems Violation and Enforcement Data**

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### **USGS Water Wells: USGS National Water Inventory System (NWIS)**

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### **Water Well Database**

Source: Department of Water Resources

Telephone: 916-651-9648

#### **California Drinking Water Quality Database**

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

#### **California Oil and Gas Well Locations**

Source: Department of Conservation

Telephone: 916-323-1779

### RADON

#### **State Database: CA Radon**

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

#### **Area Radon Information**

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### **EPA Radon Zones**

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### **Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### **SSURGO: Soil Survey Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

#

**DOGGR RECORDS**

059-01074

DIVISION OF OIL AND GAS RECEIVED

DIVISION OF OIL AND GAS

FORM 105 CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA LOS ANGELES, CALIFORNIA DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

This notice must be given and surety bond filed before drilling begins

Morton And Sons

Long Beach Calif. 24 Oct. 1947

DIVISION OF OIL AND GAS

Los Angeles Calif.

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of drilling well No. El Toro Co. 14-1 Sec. 14, T. 6S, R. 8W

JLW

SR B. & M., XX Field, Orange County.

Lease consists of All of Section 14-65-8W. S.B.B.M.

The well is 2760' 3500' feet N. or S., and 500 540+ feet E. or W. from SW corner of Section 14 \*

Elevation of ground above sea level 591.2 feet.

All depth measurements taken from top of Kelley Bushing (47-6528) unconf. above, which is 11 feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 4000 feet.

We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Table with 5 columns: Size of Casing, Inches; Weight, Lb. Per Foot; Grade and Type; Depth; Landed or Cemented. Row 1: 13 3/8", 48#, H-40, 500, Cemented. Row 2: Additional casing program to be determined from results obtained while drilling, subject to approval of the D.O.G.

Please designate this well as a prospect well

Well is to be drilled with rotary tools.

Handwritten notes: Topo 73 JLW, JLW, 120133

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

\*450' S., 2450' W. from the NE cor. of projected Sec. 14 (Cor. let. 2-6-51es)

Address 1241 East Burnett Street Long Beach, Calif.

Morton and Sons

Telephone number 48509

By Robert S. Morton (Name of Operator)

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T \_\_\_\_\_

Mr. \_\_\_\_\_ Calif. \_\_\_\_\_ 19 \_\_\_\_\_

Agent for MORTON AND SONS Calif. \_\_\_\_\_

DEAR SIR:

Operations at your well No. "El Toro" 14-1 Sec. 14, T. 65, R. 8W, S.B. B. & M.,  
Field, in Orange County, were witnessed by  
J. R. Thomas, Inspector, representative of the supervisor,  
on January 3, 1949. There was also present \_\_\_\_\_

Casing Record	Junk

The operations were performed for the purpose of \_\_\_\_\_

The inspector arrived at the well at 2:30 p.m. and Mr. \_\_\_\_\_ reported:

Memo

Cellar filled and location graded over.  
No evidence of gas or oil leak.

R. D. BUSH  
State Oil and Gas Supervisor

By \_\_\_\_\_ Deputy

DIVISION OF OIL AND GAS  
RECEIVED  
FEB 27 1948

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

LOS ANGELES, CALIFORNIA

Operator Morton and Sons Field xxx

Well No. El Toro Co. I4-I Sec. I4, T. 65, R. 8W, SB B. & M.

Location 2760 on and 540 E of SW cor. sec I4\* Elevation of derrick floor above sea level 591 feet.

In compliance with the provisions of Chapter 93, Statutes of 1939, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date Feb. 16, 1948 Signed W.A. Morton

W.A. Morton (Engineer or Geologist) E.W. Sauder (Superintendent) Title Agent (President, Secretary or Agent)

Commenced drilling 31 October, 1947 Completed drilling 14 Jan., 1948 Drilling tools Cable Rotary

Total depth 6528 Plugged depth \_\_\_\_\_ GEOLOGICAL MARKERS \_\_\_\_\_ DEPTH \_\_\_\_\_

Junk none \_\_\_\_\_ none \_\_\_\_\_

\*450 feet south and 2450 feet west from the northeast corner of projected Sec. 14. (Cor. let. 2/6/51 es)

Commenced producing never produced (date) Flowing/gas lift/pumping \_\_\_\_\_ (cross out unnecessary words)

Initial production	Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Production after 30 days						

CASING RECORD (Present Hole)

Depth of Shoe (P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Casing landed in	Number of Sacks of Cement	Depth of Cementing if through perforations
<u>3 3/4"</u>	<u>502</u>	<u>surf</u>	<u>48#</u>	<u>new</u>	<u>seamless</u>	<u>H-40</u>	<u>17 1/2"</u>	<u>310</u>	
<u>7"</u>	<u>579I</u>	<u>surf</u>	<u>23#</u>	<u>new</u>	<u>seamless</u>	<u>J 55</u>	<u>11"</u>	<u>500</u>	

PERFORATIONS

Depth of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.	<u>none</u>			
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 579I to 65I4 (no log on upper hole) (Attach Copy of Log)

SUBMIT IN DUPLICATE  
STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS  
RECEIVED  
FEB 27 1948

History of Oil or Gas Well

LOS ANGELES, CALIFORNIA

OPERATOR Morton and Sons FIELD 272

Well No. El Toro Co., I4-I, Sec. I4, T. 6S, R. 8W, sb B. & M.

Signed H.A. Morton

Date Feb. 16, 1948 Title Agent (President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, re-drilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, re-drilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date	Operations
31 Oct 1947	Spud in 2:00 A.M. Drill 12 1/2" hole to 500'. Open hole to 17 1/2" to 507'.
1 Nov	Run and cement 14 jts 13 3/8" O.D. csg with 310 sax Victor Construction cement. Casing froze at 502'. Circ. press 200 # Bump plug with 350 psi.
2 Nov	Rig B.O.P.E. and test same with 1000 psi for 15 min. o.k. Drill 11" hole to 3500'
13 Nov	Core 11" hole to 3785'.
18 Nov	Drill 11" hole to 5723'
20 Dec	Develop hole in surface casing just below landing base. Patch same. Drill 11" hole to 5791'.
22 Dec	Run and cement 137 jts (5805.8') of 7", 23#, J-55 Nat'l smlsa csg @ 5791' with 500 sax of Vic. Con. cement using one top and one bottom plug, 116# slurry. Circ pressure 250-300 psi, bump plug with 800psi. Cementing time 2 hours. Halliburton
23 Dec	Land casing with suspend d weight of pipe.
26 Dec	Drill out cement. Top of cement @ 5750, equiv. to 9 sax of cement. Drill 6 1/8" hole to 6514'.
14 Jan 1948	Core 6 1/8" hole to 6528' T.D. Fill hole with heavy mud, c/p at surface and suspend operations.

MAP	CARDS	BOND	FORMS
OK			131

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Subsequent Work Report

DIVISION OF OIL AND GAS  
LOS ANGELES, CALIFORNIA

OPERATOR Morton and Sons FIELD Orange  
Well No. El Toro Co. 14-1, Sec. 14, T. 6 S., R. 8 W., S. E. B. & M.

In compliance with the provisions of Chapter 93, Statutes 1939, the information given herewith is a complete and correct record of all work done on the well since the previous record, dated

November 1, 1948, was filed.

*W. A. Morton*  
SIGNED W. A. Morton

Date December 6, 1948

Title Agent  
(President, Secretary or Agent)

Outline in the order of performance, together with the dates thereof, all important operations which alter the condition of the well. Include such information as depth at which redrilling operations were started, size of hole redrilled or deepened; size of pipe, amount of perforations in casing, weight and length of casing landed or cemented or removed; number of sacks of cement used in cementing or plugging operations and exact position thereof. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

- Date Nov. 5 Shot 7" O.D. Casing @ 2024', 1712', and 1411', and pulled from latter depth. Pulled up 30' and dumped 20' cement plug.
- Nov. 8 Drove wooden plug to 522' and dumped 33 sax of cement.
- Nov. 9 Top of plug at 481'. Plugged 13 3/8" casing @ surface and abandoned.
- Dec. 3 Welded steel cap to top of 13 3/8".

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
					<i>M</i>

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

LOS ANGELES, CALIFORNIA

Operator Morton and Sons Field XXX

Well No. El Toro Co. 14-I Sec. 14, T. 65, R. SW SE B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
0	502	502	drill	-	surface sands and blue clays and gravel boulders.
502	3500	2998	drill	-	blue and green shales; conglomerate sands and black shales.
3500	3505	5'	core	1'	Dark gray to black silty shale, fractured and recemented lime in fractured plane.
3505	3515	10'	"	1 1/2'	Shale as above. Some shaly side
3515	3520	5'	"	10'	Shale as above
3520	3531	11'	"	10'	Shale as above
3531	3541	10'	"	10'	"
3541	3547	6'	"	6'	"
3547	3557	10'	"	10'	"
3557	3567	10'	"	10'	"
3567	3572	5'	"	3'	"
3572	3582	10'	"	10'	"
3582	3592	10'	"	10'	"
3592	3602	10'	"	4'	"
3602	3607	5'	"	5'	"
3607	3612	5'	"	5'	"
3612	3617	5'	"	5'	"
3617	3623	6'	"	10'	"
3623	3628	5'	"	9 1/2'	"

DIVISION OF OIL AND GAS  
RECEIVED  
FEB 27 1948

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL LOS ANGELES, CALIFORNIA

Operator..... Field.....

Well No..... Sec....., T....., R....., B. & M.....

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
3628	3637	10'	core	3 1/2'	Shale as above  Shale as above except there is an apparent dip of 12°-18°, average 150° N. evidence of fracture or slickensides
3637	3644	7'	"	8'	
3644	3654	10'	"	2'	
3654	3659	5'	"	5'	
3659	3664	5'	"	5'	
3664	3667	3'	"	3'	
3667	3677	10'	"	10'	
3677	3687	10'	"	10'	
3687	3697	10'	"	10'	
3697	3707	10'	"	10'	
3707	3717	10'	"	10'	
3717	3727	10'	"	7'	
3727	3733	6'	"	5'	
3733	3738	5'	"	1'	
3738	3743	5'	"	1'	
3743	3745	2'	"	0'	

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS  
RECEIVED  
FEB 27 1948

LOG AND CORE RECORD OF OIL OR GAS WELLS IN LOS ANGELES, CALIFORNIA

Operator..... Field.....

Well No..... Sec....., T....., R....., B. & M.....

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
3745	3755	10'		10'	shale as above
3755	3765	10'		10'	
3765	3775				
3775	3785	2006	drill	none	black shale; sands and hard conglomerate.
3785	5791				
5791	6514	723'	drill		Hard conglomerate and some reddish clay.
6514	6528	12'	core	6'	6' Hard dark green shist. Fractured.

CARDS | BOARD |  
| | |  
| | |

**- NOTE -**

DO NOT DISCARD THIS PAGE  
MAINTAIN IN PRESENT SEQUENCE

1015 West Olympic Boulevard  
Los Angeles 15, California  
February 6, 1951

Mr. Delbert D. Coker  
17581 Newland Avenue  
Huntington Beach, California

Agent for Morton and Sons

Dear Sir:

In regard to the location of your well No. "El Toro Co." 14-1, in Sec. 14, T. 6 S., R. 8 W., S. B. L. & M., Orange County, it has come to our attention that when the well is plotted in accordance with the survey by Hoy and Hoy of Santa Ana, the correct location is 450 feet south and 2450 feet west from the northeast corner of projected Sec. 14.

We are therefore correcting our records accordingly.

Yours truly,

*E. F. Mussen*  
Deputy Supervisor  
*ma*

cc - Mr. R. B. Bush (2)  
Morton and Sons  
Long Beach

JLW:MS

Corrections Made as Follows:	By Whom
Form 114.....	.....
" 115.....	.....
" 121.....	.....
" 125.....	.....
Cards.....	.....
Production.....	.....
Well Records.....	.....
Field Maps.....	.....
Map Book.....	.....

*1*  
*7 pgs 13*  
*JLW*

STATE OF CALIFORNIA  
SAN FRANCISCO 11

Inter-Departmental Communication

DIVISION OF OIL AND GAS  
RECEIVED  
DEC 31 1948

LOS ANGELES, CALIFORNIA

Date: December 30, 1948

To: E. H. Musser  
Los Angeles

From: State Division of Oil and Gas

Have all conditions been fulfilled, and if so,  
when, under bond No. 126133, covering Morton & Sons well No.  
"El Toro Co." 14-1, Sec. 14, T. 6 S., R. 8 W., S. B. B. & M.?

*R. D. Bush*

State Oil and Gas Supervisor

*OK release bond as of 12-31-48*

*DRK  
1-4-49*

W. W. HOY  
MEMBER AMERICAN SOCIETY  
CIVIL ENGINEERS  
STATE REG. CIVIL ENG. No. 70  
RES. PHONE 4111-W

JOHN M. HOY  
LICENSED LAND SURVEYOR NO. 2326  
RES. PHONE 4761-R

W. W. HOY AND JOHN M. HOY  
CIVIL ENGINEER AND SURVEYOR

112 WEST FIFTH STREET  
SANTA ANA, CALIFORNIA  
PHONE 6506

October 22, 1947.

DESCRIPTION OF WELL LOCATION FOR MORTON AND SONS

---

Located <sup>W</sup> Lot 10 of the Rancho Canada de Los Alisos, being 5527.89 feet North  $86^{\circ} 55' 20''$  East from a 4 x 4 post in the Northwesterly line of the said Rancho Canada de Los Alisos, said post marking the Easterly corner of Lot 304, Block 173 of the Irvine Subdivision as shown on map thereof recorded in Book 1, Page 88, Miscellaneous Record Maps of Orange County, California.

The elevation of offset stake is 591.2.

The elevation of well is 582.6.

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS

RECEIVED  
1948-11-01  
LOS ANGELES, CALIFORNIA

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given fifteen days before work begins when possible

Long Beach Calif. 1 Nov. 1948 19

DIVISION OF OIL AND GAS

Los Angeles Calif.

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of ~~deepening, redrilling, plugging or~~ altering casing at well No. El Toro Co. 14-1

~~XXXXXXXXXXXXXXXXXXXX~~ Sec. 14, T. 6S, R. 8W, S.B.            B. & M.             
~~XXXXXXXXXXXXXXXXXXXX~~ Field, Orange County.

The present condition of the well is as follows:

1. Complete casing record.
  - a) 17 1/2" rotary hole drilled to 507'.
  - b) 13 3/8" casing, 48#, seamless H 40, cemented @ 502' with 310 sack of construction cement on 1 November 1947.
  - c) 11" rotary hole drilled to 5791'.
  - d) 7", 23#, J 55 seamlss csg cemented @ 5791 w 500 sack of construction cement on 23 Dec. 1947.
  - e) Drill 6 1/8" hole to present T.D. of 6526'.
  - f) Run ELD to bottom. THERE WAS NO EVIDENCE OF SALINE WATERS AT ANY DEPTH IN THIS WELL OR IN MORTON and SONS IRVINE 15-1 DRILLED ONE MILE TO THE WEST
  - g) Fill hole with heavy mud, weld cap at surface, suspend operations. <sup>14 Jan</sup>  
Never produced
2. Last produced \_\_\_\_\_ (Date) \_\_\_\_\_ (Net Oil) \_\_\_\_\_ (Gravity) \_\_\_\_\_ (Cut)

The proposed work is as follows:

- a) Shoot and pull 7" casing from as deep as possible. placing a 20' plug on stub of 7" before pulling casing more than 30'.
- b) Place a 20' cement plug 20' in and 20' out of shoe of 13 3/8" @ 502'.
- c) Weld cap on 13 3/8" @ surface.
- d) DOG to witness location and hardness of plug @ 480' and at stub of 7", wherever that may be.

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
✓			126133		

Morton and Sons

(Name of Operator)

By W.A. Morton

W. A. Morton

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
**DIVISION OF OIL AND GAS**

Special Report on Operations Witnessed

No. T 1-48989

Mr. John W. Jordan Los Angeles 15, Calif. November 18, 19 48  
Huntington Beach, Calif.  
Agent for MORTON AND SONS

DEAR SIR:

Operations at your well No. "El Toro Co." 14-1 Sec. 14, T. 6 S., R. 8 W., S. E. B. & M.,  
(El Toro Area) ~~XXXX~~, in Orange County, were witnessed by  
M. B. Albright, Inspector, representative of the supervisor,  
on November 5, 19 48. There was also present V. Tull, Driller;

<u>R. Dunning, Helper.</u>	
Casing Record <u>13-3/8" cem. 502'; 7" cem. 5791'</u> , shot	Junk <u>None</u>
at <u>2024', 1712', 1411'</u> , and pulled from <u>1411'</u> . T.D.	
<u>6526', plugged with cement 1411'-1391'±.</u>	

The operations were performed for the purpose of testing the location and hardness of a cement plug placed from 1411' to 1391'± in the process of abandonment.

- The inspector arrived at the well at 6:00 p.m. and Mr. Tull reported:
1. The 7" casing was shot at 2024', 1712', 1411', and was pulled up 15'.
  2. A wooden plug was driven to 1411'.

THE INSPECTOR NOTED THAT 8 sacks of cement was dumped into the hole at 1411', calculated to fill to the depth of 1391'.

The operations were completed at 8:00 p.m.

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

MBA:OH  
*ma/oh*  
cc- Morton & Sons  
Long Beach

R. D. BUSH  
State Oil and Gas Supervisor  
By E. H. Messer Deputy

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-47491

Los Angeles 15, Calif. December 5, 19 47  
Mr. Warren A. Morton  
Balboa, Calif.  
Agent for MORTON AND SONS

DEAR SIR:

Operations at your well No. "El Toro Co." 14-1 Sec. 14, T. 6 S., R. 8 W., S. B. B. & M.,  
(El Toro Area) in Orange County, were witnessed by  
John M. Carls, Inspector, representative of the supervisor,  
on November 24, 19 47. There was also present W. E. Sauder, Drilling Foreman  
E. C. Brewer, Driller  
Casing Record 13-3/8" cem. 502'; T.D. 4408' Junk None

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 3:30 p.m. and Mr. Sauder reported:

1. A 17-1/2" rotary hole was drilled from surface to 507'.
2. On November 1, 1947, 13-3/8" 48 lb. casing was cemented at 502' with 310 sacks of cement.
3. An 11" rotary hole was drilled from 507' to 4408'.

THE INSPECTOR NOTED that the well was equipped with the following blowout prevention equipment:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole and for closing around the 4-1/2" drill pipe.
2. A Hydril blowout preventer for closing around the 4-1/2" drill pipe.
3. The controls for the above equipment were located outside the derrick.
4. A 3" mud fill-up line, with a 3" high pressure gate valve, into the 13-3/8" casing, below the above equipment.

The inspection was completed at 4:15 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

12/22/47 - Coleman Morton / Reak, phone, T.D. 3700', have several bad spots in hole & fear possible keyseating. No oil or gas shows penetration. datee want set 7" protection string, and then drill on to base. Are undecided if they want to make a s.o. test. Told him that we would witness w.s.c. test if they make one other. we would have to witness splice test & shut off then hole. in case a liner was run later.

JMC:ES

R. D. BUSH  
State Oil and Gas Supervisor

By E. H. Musser Deputy

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-44336

Los Angeles 15, Calif. December 26, 1947

Mr. Warren A. Morton

Balboa, Calif.

Agent for MORTON AND SONS

DEAR SIR:

Your supplementary proposal to drill Well No. "El Toro Co." 14-1, Section 14, T. 6 S., R. 8 W., S. E. B. & M. (El Toro Area) Field, Orange County, dated Dec. 22, 1947, received Dec. 23, 1947, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The new conditions are as follows:

1. A 17-1/2" rotary hole was drilled from surface to 507'.
2. 13-3/8" 48# casing was cemented at 502' with 310 sks. of cement.
3. An 11" rotary hole was drilled from 507' to 5774'.

PROPOSAL:

"We now propose

1. To run in and cement a 7" 23# string of protective casing to 5774'.
2. Deepen hole with 6-1/8" rotary tools."

DECISION:

THE PROPOSAL IS APPROVED.

SHR:OH

cc- Company  
Long Beach

R. D. BUSH  
State Oil and Gas Supervisor

By E. H. Musser Deputy  
EHB

FORM 111  
CALIFORNIA STATE PRINTING OFFICE  
Records Filed  
100 \_\_\_\_\_  
101 \_\_\_\_\_  
103 \_\_\_\_\_  
E. Log. \_\_\_\_\_

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
**DIVISION OF OIL AND GAS**

**Report on Proposed Operations**

No. P 1-44069

Los Angeles 15, Calif. October 29, 1947

Mr. Warren A. Morton

Balboa,

Calif.

Agent for MORTON AND SONS

DEAR SIR:

Your \_\_\_\_\_ proposal to \_\_\_\_\_ drill \_\_\_\_\_ Well No. "El Toro Co." 14-1,  
Section 14, T. 6 S., R. 8 W., S. B. B. & M., (El Toro Area) ~~xxxx~~ Orange County,  
dated Oct. 24, 1947, received Oct. 24, 1947, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES: 450' S., 2450' W. from the NE cor. of projected Sec. 14

"The well is ~~2760 feet N. and 540 feet E. from SW corner of Section 14~~

Elevation of ground above sea level 591.2 feet.

All depth measurements taken from top of Kelley Bushing, which is 11 feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 4000 feet."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as herei

indicated:	Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
	13 3/8"	48#	H-40	500	Cemented.

Additional casing program to be determined from results obtained while drilling, subject to approval of the D. O. G.

Well is to be drilled with rotary tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

DECISION:

This division does not have sufficient data available upon which to base an estimate of the depth at which oil- or gas-bearing formations should be encountered in this vicinity, nor the depth at which a water shut-off should be effected.

THE PROPOSED DRILLING PROGRAM IS APPROVED, HOWEVER, PROVIDED THAT

1. Mud fluid consistent with good drilling practice shall be used and the column of mud fluid maintained at all times to the surface, particularly while pulling the drill pipe.
2. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
3. At least 500' of surface casing shall be cemented in the hole for the purpose of protecting surface or domestic water supplies.
4. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possible.
5. A supplementary proposal shall be filed with this division prior to running any additional casing into the hole.
6. THIS DIVISION MUST BE NOTIFIED AS FOLLOWS:
  - (a) To inspect the installed blowout prevention equipment before drilling below 1000'.
  - (b) When oil- or gas-bearing formations are encountered.
  - (c) To examine cores and/or electrical log before running any casing. Other requirements may be specified at that time.

SHR:OH

R. D. BUSH

State Oil and Gas Supervisor

cc- Company  
Long Beach  
Bond No. 126133

By E. H. Messer Deputy

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given fifteen days before work begins when possible

Long Beach Calif. 15 January 1948

DIVISION OF OIL AND GAS

Los Angeles Calif.

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to ~~commence the work of deepening/redrilling/plugging/altering casing~~ <sup>suspending operations</sup> at well No. El Toro Co 14-1

(Cross out unnecessary words)  
\_\_\_\_\_, Sec. 14, T. 6S, R. 8W, S6E B. & M.  
\_\_\_\_\_XXXX Field, Orange County.

The present condition of the well is as follows:

1. Complete casing record.
  - a) 17 1/2" Rotary hole drilled to 507'.
  - b) 13 3/8", 48#, H 40 seamless casing cemented @ 502' with 310 sax of con. cement on 1 November 1947.
  - c) 11" Rotary hole drilled to 5791'.
  - d) 7" , 23#, J-55 smlss csg cemented @ 5791 w 500 sax of con. cement on 23 Dec. 1947.
  - e) Drill 6 1/8" hole to present T.D. of 6526'.

2. Last produced Never Produced  
(Date) (Net Oil) (Gravity) (Cut)

The proposed work is as follows:

- a) Fill hole with extra heavy mud.
- b) Weld cap on casing head with outlet to keep hole full of mud.
- c) Suspend operations pending geologic decisions by the operator.
- d) Notify Division of Oil and Gas when a decision is reached to either deepen or abandon hole.

MAP	MAP BOOK	CARDS	BOND	FORMS
				114 121
			126+23	sub end

Morton and Sons

(Name of Operator)

By W.A. Morton  
W.A. Morton, Agent

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-44418

Los Angeles 15, Calif. January 20, 1948

Mr. Warren A. Morton

Balboa, Calif.

Agent for MORTON AND SONS

DEAR SIR:

Your supplementary proposal to drill Well No. "El Toro Co." 14-1, Section 14, T 6 S., R 8 W., S. B. B. & M., (El Toro Area) ~~XXXX~~ Orange County, dated Jan. 15, 1948, received Jan. 16, 1948, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

**RECORDS:** The condition of the well is as stated in the notice.

**THE NOTICE STATES:**

"The present condition of the well is as follows:

1. Complete casing record.
  - a) 17-1/2" Rotary hole drilled to 507'.
  - b) 13 3/8", 48# H 40 seamless casing cemented @ 502' with 310 sax of con. cement on 1 November 1947.
  - c) 11" Rotary hole drilled to 5791'.
  - d) 7", 23#, J-55 smlss csg cemented @ 5791 w 500 sax of con. cement on 23 Dec. 1947.
  - e) Drill 6 1/8" hole to present T. D. of 6528'.
2. Last produced Never Produced."

**PROPOSAL:**

"The proposed work is as follows:

- a) Fill hole with extra heavy mud.
- b) Weld cap on casing head with outlet to keep hole full of mud.
- c) Suspend operations pending geologic decisions by the operator.
- d) Notify Division of Oil and Gas when a decision is reached to either deepen or abandon hole."

**DECISION:**

THE PROPOSAL IS APPROVED.

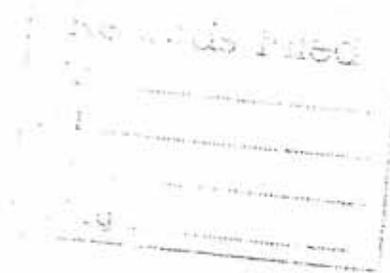
*9-13-48 - Job Morton Root, phone.  
Will send in notice to abnd. -  
5812-5771*

SHR:OH

- 1) 40 w/cem. 522'-480'
- 2) Recover all 7" possible
- 3) Place 20' plug on stub at 7"

cc- Morton & Sons  
Long Beach

*4) 40 w/cem. 522'-480'  
5) Weld steel plate on 1376  
at snit. Div. to witness  
plugs at 5771' & 480'  
OK. SHR.*



R. D. BUSH

State Oil and Gas Supervisor

By E. H. Mussen Deputy

DIVISION OF OIL AND GAS

Supplementary Notice

DIVISION OF OIL AND GAS  
RECEIVED  
DEC 22 1947  
LOS ANGELES, CALIFORNIA

Long Beach Calif. Dec. 22 19 47

DIVISION OF OIL AND GAS

Los Angeles Calif.

Our notice to you dated 24 October, 19 47, stating our intention to

drill well No. El Toro Co. 14-1  
(Drill, deepen, redrill, abandon)

Sec. 14, T. 6S, R. 8W, S.B. B. & M. xx Field,

ORANGE County, must be amended on account of changed or recently discovered conditions.

The new conditions are as follows:

1. A 17 1/2" rotary hole was drilled from surface to 507'.
2. 13-3/8" 48# casing was cemented at 502' with 310 sks. of cement.
3. An 11" rotary hole was drilled from 507' to 5774'.

We now propose

1. To run in and cement a 7" 23# string of protective casing to 5774'.
2. Deepen hole with 6-1/8" rotary tools.

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
			126133	end	3/18

*Sup. drill*

Morton and Sons  
(Name of Operator)  
By *C. W. Morton*  
C. W. Morton

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-45838

Los Angeles 15, Calif. November 4, 19 48

Mr. John W. Jordan

Huntington Beach, Calif.

Agent for MORTON AND SONS

DEAR SIR:

Your proposal to ABANDON Well No. "El Toro Co." 14-1, Section 14, T. 6 S., R. 8 W., S. B. B. & M., (El Toro Area) F&M, Orange County, dated Nov. 1, 19 48, received Nov. 3, 19 48, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

RECORDS IN ADDITION TO, OR AT VARIANCE WITH, THOSE SHOWN IN THE NOTICE:

No oil or gas zones were encountered.

THE NOTICE STATES:

"The present condition of the well is as follows:

1. Complete casing record.
  - a) 17 1/2" rotary hole drilled to 507'.
  - b) 13 3/8" casing, 48#, seamless H 40, cemented @ 502' with 310 sax of construction cement on 1 November 1947.
  - c) 11" rotary hole drilled to 5791'.
  - d) 7", 23#, J 55 smlss casg cemented at 5791 w 500 sax of construction cement on 23 Dec. 1947.
  - e) Drill 6 1/8" hole to present T.D. of 6526'.
  - f) Run ELD to bottom. THERE WAS NO EVIDENCE OF SALINE WATERS AT ANY DEPTH IN THIS WELL OR IN MORTON and SONS IRVINE 15-1 DRILLED ONE MILE TO THE WEST.
  - g) Fill hole with heavy mud, weld cap at surface, suspend operations. 14 Jan '47
2. Last produced Never produced."

PROPOSAL:

"The proposed work is as follows:

- a) Shoot and pull 7" casing from as deep as possible. placing a 20' plug on stub of 7" before pulling casing more than 30'.
- b) Place a cement plug 20' in and 20' out of shoe of 13 3/8" @ 502'.
- c) Weld cap on 13 3/8" @ surface.
- d) DOG to witness location and hardness of plug @ 480' and at stub of 7", wherever that may be."

DECISION:

THE PROPOSAL IS APPROVED.

SHR:OH *ma/oh*

cc- Morton & Sons  
Long Beach

R. D. BUSH  
State Oil and Gas Supervisor

By *E. H. Messer* Deputy

1015 West Olympic Boulevard  
Los Angeles 15, California  
January 7, 1949

Mr. John W. Jordan,  
221 - 7th Street,  
Huntington Beach, California.

Agent for Morton and Sons

Dear Sir:

Your report of abandonment of well No. "El Toro Co." 14-1, Sec. 14, T. 6 S., R. 8 W., S. E. B. & M., Orange County, dated December 6, 1948, and submitted to this division on our form No. 102, has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this division, which are based on all information filed with it, have been fulfilled.

Yours truly,

R. D. BUSH  
State Oil and Gas Supervisor

By G. H. Mueser  
Deputy Supervisor

cc - Mr. R. D. Bush  
Morton and Sons  
Long Beach

es

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
Topo 73 JLW	JLW				

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
**DIVISION OF OIL AND GAS**

Special Report on Operations Witnessed

No. T 1-48990

Mr. John W. Jordan Los Angeles 15, Calif. November 18, 19 48  
Huntington Beach, Calif.  
Agent for MORTON AND SONS

DEAR SIR:

Operations at your well No. "El Toro Co." 14-1 Sec. 14, T. 6 S., R. 8 W., S. B. B. & M.,  
(El Toro Area) ~~in~~ in Orange County, were witnessed by  
J. M. Carls, Inspector, representative of the supervisor,  
on November 9, 19 48. There was also present V. Tull, Driller;  
R. Dunning, Helper.

Casing Record <u>13-3/8" cem. 502'; 7" cem. 5791'</u> , shot	Junk <u>None</u>
<u>at 2024', 1712', 1411', and pulled from 1411'; T. D.</u>	
<u>6526', plugged with cement 1411'-1391' and 522'-481'.</u>	

The operations were performed for the purpose of testing the location and hardness of a cement plug placed from 522' to 481' in the process of abandonment.

~~The impression is that the well is not to be plugged and the cement plug is not to be placed.~~  
INSPECTOR CARLS VISITED THE WELL AT 4:00 P. M., NOVEMBER 8, 1948, AND MR. TULL REPORTED THAT a wooden plug was driven to 522'.  
THE INSPECTOR NOTED THAT plugging operations were started by dumping cement in the hole at 522'.

THE INSPECTOR ARRIVED AT THE WELL AT 10:00 A. M., AND MR. TULL REPORTED THAT on November 8, 1948, 32 sacks of cement was dumped in the hole at 522'.

THE INSPECTOR NOTED THAT the bailer could not be spudded below 481' and brought up a sample of set cement.

The test was completed at 11:00 a.m.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 481' ARE APPROVED.

JMC:OH

*ma/ary*  
cc- Morton & Sons  
Long Beach

R. D. BUSH

State Oil and Gas Supervisor

By E. H. Messer Deputy

**SCAQMD RECORDS**

## Facility Information Detail (FIND)

[Search Again](#)

Facility ID	Facility Name	Facility Address	RECLAIM	Title V	Facility Status
129607	IRVINE RANCH WATER DISTRICT	21082 WISTERIA ST , LAKE FOREST, CA 92630			ACTIVE
69408	LOS ALISOS WATER DIST	21082 WISTERIA ST , LAKE FOREST, CA 92630			

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### Facility Details

**Facility ID** 129607  
**Company Name** IRVINE RANCH WATER DISTRICT  
**Address** 21082 WISTERIA ST  
LAKE FOREST, CA 92630

[View Area Map](#)

**Status** ACTIVE

**Are there any back fees due?**

No.

SIC Code	Description
4941	WATER SUPPLY

## Facility Information Detail (FIND)

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### Equipment List

**Facility ID** 129607  
**Company Name** IRVINE RANCH WATER DISTRICT  
**Address** 21082 WISTERIA ST  
LAKE FOREST, CA 92630

Appl_Nbr	Permit_Nbr	Issued_Date	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
390855	F44529	9/27/2001	ACTIVE	Basic	I C E (50-500 HP) EM ELEC GEN-DIESEL	9/6/2001	PERMIT TO OPERATE GRANTED
390847	F44530	9/27/2001	ACTIVE	Basic	I C E (50-500 HP) EM ELEC GEN-NG & LPG	9/6/2001	PERMIT TO OPERATE GRANTED

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### Application Details

Application/Tracking Number      390855

### Facility Information

Business Name      IRVINE RANCH WATER DISTRICT

Facility ID      129607      Facility Status      ACTIVE

### Application Information

Application Type      Change of Ownership      Application Received      9/6/2001

Application Status      PERMIT TO OPERATE GRANTED      Application Deemed Complete      9/20/2001

Equipment Desc      I C E (50-500 HP) EM ELEC GEN-DIESEL

Permit Number      F44529      Permit Status      ACTIVE

[View Permit Image](#)

### Engineer Information

Engineer Assigned      LISA KREBS

Engineer Phone      (909) 396-2384      Team Assigned      N

## Facility Information Detail (FIND)

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### Application Details

Application/Tracking Number      390847

### Facility Information

Business Name      IRVINE RANCH WATER DISTRICT

Facility ID      129607      Facility Status      ACTIVE

### Application Information

Application Type      Change of Ownership      Application Received      9/6/2001

Application Status      PERMIT TO OPERATE GRANTED      Application Deemed Complete      9/20/2001

Equipment Desc      I C E (50-500 HP) EM ELEC GEN-NG & LPG

Permit Number      F44530      Permit Status      ACTIVE

[View Permit Image](#)

### Engineer Information

Engineer Assigned      LISA KREBS

Engineer Phone      (909) 396-2384      Team Assigned      N

## Facility Information Detail (FIND)

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### Facility Details

**Facility ID** 69408  
**Company Name** LOS ALISOS WATER DIST  
**Address** 21082 WISTERIA ST  
LAKE FOREST, CA 92630

[View Area Map](#)

**Status** SOLD

SIC Code	Description
4941	WATER SUPPLY

## Facility Information Detail (FIND)

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### Equipment List

**Facility ID**            69408  
**Company Name**        LOS ALISOS WATER DIST  
**Address**                21082 WISTERIA ST  
                                  LAKE FOREST, CA 92630

Appl_Nbr	Permit_Nbr	Issued_Date	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
<a href="#">351703</a>	F44132	9/15/2001	INACTIVE	Basic	I C E (50-500 HP) EM ELEC GEN-DIESEL	2/23/1999	PERMIT TO OPERATE GRANTED
<a href="#">315930</a>	F6517	4/16/1997	INACTIVE	Basic	I C E (50-500 HP) EM ELEC GEN-NG & LPG	5/1/1996	PERMIT TO OPERATE GRANTED
<a href="#">191508</a>	D10451	10/6/1989	INACTIVE	Basic	SEWAGE TREATMENT (>5 MG/D) AEROBIC	4/14/1989	PERMIT TO OPERATE GRANTED
<a href="#">191508</a>	D10451	10/6/1989	INACTIVE	Control	SCRUBBER, OTHER VENTING S.S.	4/14/1989	PERMIT TO OPERATE GRANTED

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### Application Details

Application/Tracking Number      351703

### Facility Information

Business Name      LOS ALISOS WATER DIST

Facility ID      69408      Facility Status      SOLD

### Application Information

Application Type      Permit to Operate without prior Permit to Construct      Application Received      2/23/1999

Application Status      PERMIT TO OPERATE GRANTED      Application Deemed Complete      1/12/1999

Equipment Desc      I C E (50-500 HP) EM ELEC GEN-DIESEL

Permit Number      F44132      Permit Status      INACTIVE

[View Permit Image](#)

### Engineer Information

Engineer Assigned      ANURAG SAHNI

Engineer Phone      ( ) -      Team Assigned      W1

## Facility Information Detail (FIND)

[Search Again](#) | [Search Results](#) | [Facility Details](#) | [Equipment List](#) | [Compliance](#) | [Emissions](#) | [Hearing Board](#)

### Application Details

Application/Tracking Number      315930

### Facility Information

Business Name      LOS ALISOS WATER DIST

Facility ID      69408      Facility Status      SOLD

### Application Information

Application Type      Permit to Operate without prior Permit to Construct      Application Received      5/1/1996  
Application Status      PERMIT TO OPERATE GRANTED      Application Deemed Complete      4/19/1996

Equipment Desc      I C E (50-500 HP) EM ELEC GEN-NG & LPG

Permit Number      F6517      Permit Status      INACTIVE

### Engineer Information

Engineer Assigned

Engineer Phone      Team Assigned      G1

## Facility Information Detail (FIND)

[Search Again](#) | [Search Results](#) | [Facility Details](#) | [Equipment List](#) | [Compliance](#) | [Emissions](#) | [Hearing Board](#)

### Application Details

Application/Tracking Number      191508

### Facility Information

Business Name      LOS ALISOS WATER DIST

Facility ID      69408      Facility Status      SOLD

### Application Information

Application Type      Permit to Operate      Application Received      4/14/1989

Application Status      PERMIT TO OPERATE GRANTED      Application Deemed Complete

Equipment Desc      SEWAGE TREATMENT (>5 MG/D) AEROBIC; SCRUBBER, OTHER VENTING S.S.

Permit Number      D10451      Permit Status      INACTIVE

[View Permit Image](#)

### Engineer Information

Engineer Assigned

Engineer Phone      Team Assigned      03

## Facility Information Detail (FIND)

[Search Again](#) | [Search Results](#) | [Facility Details](#) | [Equipment List](#) | [Compliance](#) | [Emissions](#) | [Hearing Board](#)

### Application Details

Application/Tracking Number      191508

### Facility Information

Business Name      LOS ALISOS WATER DIST

Facility ID      69408      Facility Status      SOLD

### Application Information

Application Type      Permit to Operate      Application Received      4/14/1989

Application Status      PERMIT TO OPERATE GRANTED      Application Deemed Complete

Equipment Desc      SEWAGE TREATMENT (>5 MG/D) AEROBIC; SCRUBBER, OTHER VENTING S.S.

Permit Number      D10451      Permit Status      INACTIVE

[View Permit Image](#)

### Engineer Information

Engineer Assigned

Engineer Phone      Team Assigned      03

**DTSC RECORDS**



## Department of Toxic Substances Control



Linda S. Adams  
Secretary for  
Environmental Protection

Maureen F. Gorsen, Director  
5796 Corporate Avenue  
Cypress, California 90630

Arnold Schwarzenegger  
Governor

April 8, 2008

Ms. Meredith Church, PG  
Project Geologist  
Leighton and Associates, Inc.  
17781 Cowan, Suite 140  
Irvine, California 92614

104-132-36, -64, -65, -83, & -84; 20996 MARIN AND 21082 & 21084 WISTERIA,  
LAKE FOREST, CALIFORNIA 92630  
PR#404040811

Dear Ms. Church:

The Department of Toxic Substances Control has received your request to review records under the Public Records Act.

After a thorough review of our files we have found that no such records exist at this office pertaining to the sites/facilities referenced above.

We would like to inform you about Envirostor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accessed at: <http://www.envirostor.dtsc.ca.gov/public>. Also, a computer is available at each DTSC Regional File Room for use by community members to view EnviroStor.

If you have any questions or would like further information regarding your request, please contact our Regional Records Coordinators at (714) 484-5337.

Sincerely,

Julie Johnson  
Regional Records Coordinator

brm



## Department of Toxic Substances Control



Linda S. Adams  
Secretary for  
Environmental Protection

Maureen F. Gorsen, Director  
9211 Oakdale Avenue  
Chatsworth, CA 91311



Arnold Schwarzenegger  
Governor

June 18, 2008

Ms. Meredith Church, PG  
Project Geologist  
Leighton & Associates, Inc.  
17781 Cowan, Suite 140  
Irvine, Ca 92614

VARIOUS SITES  
PR30617084

Dear Ms. Church:

We have received your Public Records Act Request for records from the Department of Toxic Substances Control.

After a thorough review of our files we have found that no such records exist at this office pertaining to the sites/facilities referenced below.

- APN 104-132-36, -65, -65, -83, & -84, Lake Forest, Ca 92630
- 20996 Marin, Lake Forest, Ca 92630
- 21082 & 21804 Wisteria, Lake Forest, Ca 92630

We would like to inform you about Envirostor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accessed at: <http://www.envirostor.dtsc.ca.gov/public>. Also, a computer is available in the Central Files of each DTSC Regional Office for use by community members to view EnviroStor.

If you have any questions, would like further information regarding your request or would like an appointment to visit Glendale's Central Files, please contact me at (818) 717-6521.

Sincerely,

*Vivien Tutaan*  
Vivien Tutaan/bh  
Regional Records Coordinator

**OCHCA RECORDS**



COUNTY OF ORANGE  
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES  
ENVIRONMENTAL HEALTH

*Excellence  
Integrity  
Service*

JULIETTE A. POULSON, RN, MN  
DIRECTOR

DAVID M. SOULELES, MPH  
DEPUTY AGENCY DIRECTOR

RICHARD SANCHEZ, REHS, MPH  
DIRECTOR  
ENVIRONMENTAL HEALTH

MAILING ADDRESS:  
1241 E. DYER ROAD  
SUITE 120  
SANTA ANA, CA 92705-5611

TELEPHONE: (714) 433-6000  
FAX: (714) 754-1732  
E-MAIL: ehealth@ochca.com

4/14/2008

INVOICE

**FAXED**  
4-14

949-253-9750

LEIGHTON ASSOCIATES  
MEREDITH CHURCH  
17781 COWAN  
IRVINE CA 92614-

RE: PUBLIC RECORDS REQUEST #: 13292  
20996 MARIN, L.F/21082 &21084 WISTERIA L.F

SUMMARY OF CHARGES

CHARGES

CREDITS

11	COPIES MADE @ 0.15 EACH	\$1.65	
	Mailing/Other Charges	\$1.48	
	TOTAL Charges	\$3.13	

\$0.00

**BALANCE DUE**

**\$3.13**

Please remit to: Environmental Health Records Unit  
1241 E. Dyer Road, Suite 120  
Santa Ana, CA 92705

If you have any questions, please call this office at (714) 433-6022.

\*\*\*RECORDS WILL BE MAILED UPON RECEIPT OF PAYMENT\*\*\*

Federal TAX ID: 95-6000-928W



**COUNTY OF ORANGE  
HEALTH CARE AGENCY**

**PUBLIC HEALTH SERVICES  
ENVIRONMENTAL HEALTH**

*Excellence  
Integrity  
Service*

**JULIETTE A. POULSON, RN, MN  
DIRECTOR**

**DAVID M. SOULELES, MPH  
DEPUTY AGENCY DIRECTOR**

**RICHARD SANCHEZ, REHS, MPH  
DIRECTOR  
ENVIRONMENTAL HEALTH**

MAILING ADDRESS:  
1241 E. DYER ROAD  
SUITE 120  
SANTA ANA, CA 92705-5611

TELEPHONE (714) 433-6000  
FAX (714) 754-1732  
E-MAIL: ehealth@ochca.com

4/10/2008

LEIGHTON  
MEREDITH CHURCH  
17781 COWAN  
IRVINE CA 92614-

**RE: EHD REQ #: 13292**  
20996 MARIN, L.F/21082 &21084 WISTERIA L.F

Attached, please find the information that you have requested.

The information was prepared in the ordinary course of the business concerned at or near the time of the act, condition, or event, which they depict.

If you have any question, please call this office at (714) 433-6022.

Environmental Health Records Unit

Attachment(s):  
11 Pages

Orange County TAX ID: 95-6000-928W

13292



COUNTY OF ORANGE  
HEALTH CARE AGENCY

MAILING ADDRESS:  
1241 E. DYER ROAD STE 120  
SANTA ANA, CA 92705  
TELEPHONE: (714) 433-6000  
FAX: (714) 433-6424

ENVIRONMENTAL HEALTH

<http://www.ocalthinfo.com/regulatory/envIRON.htm>

REQUEST FOR ENVIRONMENTAL HEALTH RECORDS

The undersigned hereby requests a copy of the records prepared and maintained by the Health Care Agency in the ordinary course of business, at or near the time of the act, condition, or event which they depict.

The records requested are maintained under the Public Records Act Government Code § 6250 – 6276.48. Some information held in the documents may be exempt from release pursuant to the Public Records Act.

The undersigned understands that the Health Care Agency will charge \$0.15 per page copied. In the case of a request for a large number of copies, the Health Care Agency may provide the requestor an estimate of copy costs prior to making said copies. If any request is to be canceled, this office must be notified at the above number within ten (10) days of receipt of request, otherwise cost incurred will be charged to the undersigned.

In order to assist you, please describe the reason for your request:

Phase I ESA

Please list addresses here (no more than 10 addresses per request):

20996 Marin, Lake Forest 92630  
21082 and 21084 Wisteria, Lake Forest 92630

and Baker Filtration Plant, El Toro, 92630 (if you can search by Facility Name)

Check here if you would like a review only or to review before copies are made

Meredith Church  
SIGNATURE of Requester

Meredith Church, Leighton  
PRINT Name of Requester (and Company Name - if applicable)

17781 Cowan  
PRINT Street Address

949-681-4208  
Area Code and Phone Number

Irvine, CA 92614  
PRINT City, State and Zip Code

4/4/08  
Date

9  
Handwritten signature



**COUNTY OF ORANGE  
HEALTH CARE AGENCY**

MAILING ADDRESS:  
1241 E. DYER ROAD STE 120  
SANTA ANA, CA 92705

TELEPHONE: (714) 433-6000  
FAX: (714) 433-6424

**ENVIRONMENTAL HEALTH**

<http://www.ochealthinfo.com/regulatory/envIRON.htm>

**ENVIRONMENTAL HEALTH HAZARDOUS WASTE / OTHER PROGRAM  
INFORMATION CHECKLIST**

Please check only the records you need. This will enable us to search only the actual files that pertain to your request, cutting down time spent on searching for records that you may not want.

Site Specific Information	
<input checked="" type="checkbox"/>	Above Ground Petroleum Storage Tank File
<input checked="" type="checkbox"/>	California Accidental Release Prevention Program File
<input checked="" type="checkbox"/>	Certified Unified Program Agency (CUPA) records
<input checked="" type="checkbox"/>	City of Brea Hazardous Materials Business Plan File
<input checked="" type="checkbox"/>	Complaints regarding Hazardous Waste or Underground Storage Tank Facility
<input checked="" type="checkbox"/>	Hazardous Waste Generator Facility File
<input checked="" type="checkbox"/>	Hazardous Waste Industrial Cleanup Site File
<input checked="" type="checkbox"/>	Hazardous Waste Spill Response Log (Emergency Incidents Log)
<input checked="" type="checkbox"/>	Leaking Underground Storage Tank Cleanup Site File
<input checked="" type="checkbox"/>	Proposition 65 Notification
<input checked="" type="checkbox"/>	Solid Waste Facility File (large files – need to be specific)
<input checked="" type="checkbox"/>	Spill Prevention, Control and Countermeasure (SPCC) File
<input checked="" type="checkbox"/>	Tiered Permit Facility File
<input checked="" type="checkbox"/>	Underground Storage Tank File
<input checked="" type="checkbox"/>	Water Quality Information

Information Lists*	
<input type="checkbox"/>	List of all Hazardous Waste Generator Facilities in Orange County (HWFACILITIES.SRW)
<input type="checkbox"/>	List of all Industrial Cleanup Sites in Orange County (IC PROGRAM CASES BY CITY.SRW)
<input type="checkbox"/>	List of all Underground Storage Tank Cleanup Sites in Orange County
<input type="checkbox"/>	List of all Underground Storage Tank Facilities in Orange County (USTFACILITIES.SRW)

Other information: \_\_\_\_\_

\*Note: These lists are also available on the Environmental Health website at [www.ochealthinfo.com/regulatory/downloads/reports.htm](http://www.ochealthinfo.com/regulatory/downloads/reports.htm).

A list of Solid Waste landfills (which includes closed landfills) can be obtained through the California website:

[www.clwmb.ca.gov/SWIS/](http://www.clwmb.ca.gov/SWIS/)

Inspector: J. Strozio

Date: 12/19/02

SUPV. INITIALS: \_\_\_\_\_

**UNDERGROUND STORAGE TANK**

INSTALL |  REMOVAL

Facility DBA Baker Filtration Facility FA # 0024492  
 Site Address 21082 Westerra # SR0103229  
 City Lake Forest Zip 92630 PR # 0024424

Data Entry Staff Only Program (Level) Status  
 (01) Active/Billable  (02) Inactive/non-Billable  (03) Temp Inactive/non-billable

Tank Status (UST Level) General (tab) **INSTALL** | **REMOVAL**

Status (Tank) TA # 600 Gallon Wastewater  (01) Active/Billable  (02) Inactive/non-Billable

Status (Tank) TA #  (01) Active/Billable  (02) Inactive/non-Billable

Status (Tank) TA #  (01) Active/Billable  (02) Inactive/non-Billable

Status (Tank) TA # ENTERED DEC 31 2002  (01) Active/Billable  (02) Inactive/non-Billable

**SERVICE REQUEST (Plan Check - Underground Storage Tank)**

LINK SR # \_\_\_\_\_ - to - FA # \_\_\_\_\_

Facility DBA \_\_\_\_\_

Site Address \_\_\_\_\_

Plan Check (tab) Plan Status  (C) Complete

Comments (tab) Date Service Completed \_\_\_\_\_

**COMPLAINT**

CO# \_\_\_\_\_ Site Address: \_\_\_\_\_

Contact (tab) Status  (05) Closed

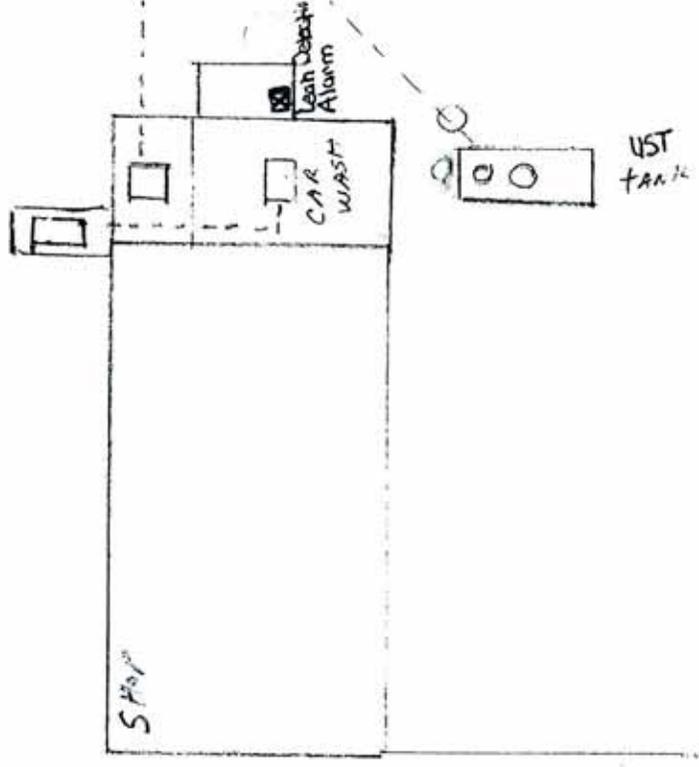
**TIERED PERMIT**

Unit Type | Unit ID | Unit Name | Add | Close

**Data Entry Only**

Program Level Status check all TP Units

0: Billable  04 non-bill  02 Closed



Baker Facility UST Plot Diagram  
21082 Wisteria, Lake Forest, Ca.

CUPA - PROGRAM RECORD REQUEST

Inspector: J. Strain

Date: 3/27/03

SUPV. INITIALS: \_\_\_\_\_

UNDERGROUND STORAGE TANK

<input type="checkbox"/> INSTALL		<input checked="" type="checkbox"/> REMOVAL	
Facility DBA	<u>Baker Filtration Facility</u>		FA #
Site Address	<u>21082 Wistaria</u>		<u>SR# 0103 229</u>
City	<u>Lake Forest</u>	Zip	<u>92630</u>
Data Entry Staff Only Program (Level) Status	<input type="checkbox"/> (01) Active/Billable	<input type="checkbox"/> (02) Inactive/non-Billable	<input type="checkbox"/> (03) Temp Inactive/non-billable
Tank Status (UST Level) General (tab)	INSTALL	REMOVAL	
Status (Tank) TA #	<input type="checkbox"/> (01) Active/Billable	<input type="checkbox"/> (02) Inactive/non-Billable	
Status (Tank) TA #	<input type="checkbox"/> (01) Active/Billable	<input type="checkbox"/> (02) Inactive/non-Billable	
Status (Tank) TA #	<input type="checkbox"/> (01) Active/Billable	<input type="checkbox"/> (02) Inactive/non-Billable	
Status (Tank) TA #	<input type="checkbox"/> (01) Active/Billable	<input type="checkbox"/> (02) Inactive/non-Billable	

SERVICE REQUEST (Plan Check - Underground Storage Tank)

<input type="checkbox"/> LINK	SR #	- to -	FA # <u>0024492</u>
Facility DBA			
Site Address			
Plan Check (tab)	Plan Status	<input checked="" type="checkbox"/> (C) Complete <u>Removal Complete</u>	
Comments (tab)	Date Service Completed	<u>Sent completion letter 3/27/03</u>	

ENTERED MAR 27 2003

COMPLAINT

CO#	Site Address:
Contact (tab)	Status <input checked="" type="checkbox"/> (05) Closed

TIERED PERMIT

Unit Type	Unit ID	Unit Name	Add	Close

Data Entry Only

Program Level Status check all TP Units		
<input type="checkbox"/> 01: Billable	<input type="checkbox"/> 04 non-bill	<input type="checkbox"/> 02 Closed
<input type="checkbox"/> 01: Billable	<input type="checkbox"/> 04 non-bill	<input type="checkbox"/> 02 Closed
<input type="checkbox"/> 01: Billable	<input type="checkbox"/> 04 non-bill	<input type="checkbox"/> 02 Closed
<input type="checkbox"/> 01: Billable	<input type="checkbox"/> 04 non-bill	<input type="checkbox"/> 02 Closed



COUNTY OF ORANGE  
HEALTH CARE AGENCY

REGULATORY HEALTH SERVICES  
ENVIRONMENTAL HEALTH

JULIETTE A. POULSON, RN, MN  
DIRECTOR

MIKE SPURGEON  
DEPUTY AGENCY DIRECTOR  
REGULATORY HEALTH SERVICES

STEVEN K. WONG, REHS, MPH  
DIRECTOR  
ENVIRONMENTAL HEALTH

MAILING ADDRESS:  
2009 EAST EDINGER AVENUE  
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600  
FAX: (714) 972-0749  
E-MAIL: [environhealth@hca.co.orange.ca.us](mailto:environhealth@hca.co.orange.ca.us)

*Excellence  
Integrity  
Service*

March 27, 2003

Dave Heaney  
Irvine Ranch Water District  
P. O. Box 57000  
Irvine, CA 92619-7000

Subject: Completion Of Tank Removal Project

Re: Baker Filtration Facility  
21082 Wisteria  
Lake Forest, CA  
Plan Check #SR0103229

Dear Mr. Heaney:

This is in response to your request for a confirmation of the completion of the waste water tank removal project. With the provision that the results for the soil samples obtained during the tank removal on December 19, 2002 and January 8, 2003 were accurate and representative of existing conditions, it is the position of this office that no significant soil contamination has occurred at the above noted facility location.

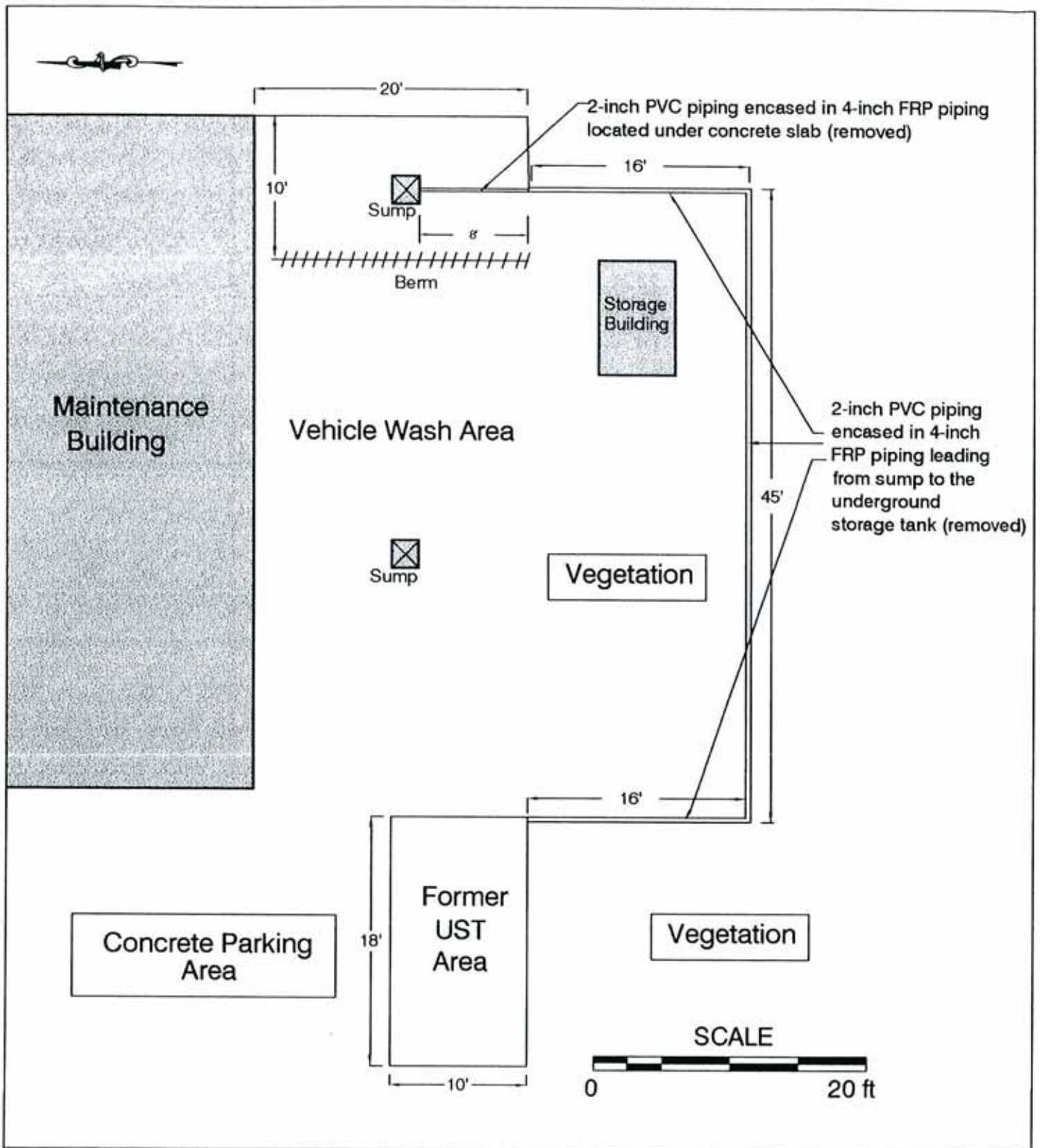
It should be pointed out that this letter does not relieve you of any responsibilities mandated under the California Health and Safety Code if additional or previously unidentified contamination is discovered at the subject site.

If you have any questions regarding this matter, please contact James Strozier at (714) 667-3711.

Sincerely,

Seth J. Daugherty  
Supervising Hazardous Waste Specialist  
Hazardous Materials Management Section  
Environmental Health

cc: Michael Voeltz, Innovative Construction Solutions, Inc.



		<b>TITLE</b> FIGURE 2 SITE PLAN FORMER LOS ALISOS WATER DISTRICT BAKER FILTRATION PLANT (BAKER FACILITY) 21082 WISTERIA LAKE FOREST, CALIFORNIA	
		<b>APPROVALS</b> DRAWN: MSB CHECKED: BLM QA/CONTROL: TECH REVIEW: SAB PROJ MGR: SAB	<b>DATE</b> 1/2003 1/2003 1/2003 1/2003
		<b>DATE</b> JAN. 2003	<b>DWG. NO.</b> FIGURE2.DWG
		<b>SOURCE</b> ICF CONSULTING	SHEET <u>1</u> OF <u>1</u>

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550  
 20803302  
 GENERATOR FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CA1D91836016911033012</b>		Manifest Document No. <b>1 of 1</b>		2. Page 1 <b>1 of 1</b>		Information in the shaded areas is not required by Federal law. <b>EES6</b>	
		3. Generator's Name and Mailing Address <b>IRVINE RANCH WATER DISTRICT 21082 WISTERIA LAKE FOREST CA 92630</b>		6. US EPA ID Number <b>CA1D9182413262</b>		A. State Manifest Document Number <b>20803302</b>		B. State Generator's ID	
4. Generator's Phone <b>(999) 453-5725</b>		5. Transporter 1 Company Name <b>EVERGREEN ENVIRONMENTAL SERVICES</b>		8. US EPA ID Number <b>CA1D9181696420</b>		C. State Transporter's ID [Reserved]		D. Transporter's Phone <b>(510) 795-4400</b>	
7. Transporter 2 Company Name		9. Designated Facility Name and Site Address <b>EVERGREEN ENVIRONMENTAL SERVICES 16604 SOUTH SAN PEDRO STREET CARSON, CA 90746</b>		10. US EPA ID Number <b>CA1D9181696420</b>		E. State Transporter's ID [Reserved]		F. Transporter's Phone	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit		I. Waste Number	
a. <b>Oil/WATER Non-RCRA Hazardous waste, Liquid</b>		No. Type <b>0 D 1 T T</b>		<b>010300</b>		<b>G</b>		State <b>221</b> EPA/Other <b>None</b>	
b.								State EPA/Other	
c.								State EPA/Other	
d.								State EPA/Other	
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above		a.		b.		c.	
15. Special Handling Instructions and Additional Information <b>24 Hour Emergency Response Telephone No.: CHEMTREC 1-800-424-9300 DOT ERG 171 WEAR PROTECTIVE CLOTHING</b>		Invoice # <b>96000583</b>		Sales Order # <b>96000583</b>					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name <b>Ken Dixon</b>		Signature <i>Ken Dixon</i>		Month Day Year <b>09/25/01</b>					
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name <b>William Wakis</b>		Signature <i>William Wakis</i>		Month Day Year <b>09/25/01</b>			
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Printed/Typed Name		Signature		Month Day Year			

DO NOT WRITE BELOW THIS LINE.



INSPECTION REPORT CONTINUATION PAGE  
County of Orange, Health Care Agency, Environmental Health  
2009 E. Edinger Ave., Santa Ana, CA 92705  
(714) 667-3600

DBA/Name Baker (IRWD)

Address 21082 Wistena, LF

Viol.  
Sub. Cat.

Received Certificate of Return to Compliance dated 10/10/01. Supporting documents were submitted, as well.

Abate violations (<sup>old</sup>051), (<sup>old</sup>452), (<sup>old</sup>451) ⇒ (<sup>new</sup>W90), (<sup>new</sup>W31), (<sup>new</sup>W30)

No violations remain outstanding at this time. Facility no longer generates hazardous waste. Documentation of waste hauling represents final removal of waste.

Questions? Call me at 714/667-3783

Susan Berg  
Specialist Name

11/16/01  
Date

93096413  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA 0972691691		Manifest Document No. 100901		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address GRUENE RANCH WATER DISTRICT (CROCKER PL 440) 2146P Wisteria Lake Forest, CA 92638 4. Generator's Phone (949) 453-5809						A. State Manifest Document Number 99656413							
5. Transporter 1 Company Name OCEAN BLUE ENVIRONMENTAL						6. US EPA ID Number C R 0 9 0 3 6 6 8 2 5 8		C. State Transporter's ID [Reserved.]					
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone (562) 624-4120					
9. Designated Facility Name and Site Address CROSBY & OVERTON 1630 W. 17th. STREET LONG BEACH, CA. 90813						10. US EPA ID Number C A 0 0 2 0 4 0 9 0 1 9		G. State Facility's ID					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Val		15. Waste Number	
						No. Type							
a. NON RCRA HAZARDOUS WASTE, LIQUID						0101 D/H		00025 G		State 223 EPA/Other			
b. NON - RCRA HAZARDOUS WASTE SOLID						0101 D/H		00095 P		State 223 EPA/Other			
c. NON - RCRA HAZARDOUS WASTE LIQUID						0101 D/F		00030 G		State 223 EPA/Other			
d.										State EPA/Other			
11a. OILY WASTE WATER #16812						K. Handling Codes for Wastes Listed Above a. b. c. d.							
11b. OILY SOIL & DEBRIS 12865													
11c. OILY WASTE WATER (POLY) 16812													
15. Special Handling Instructions and Additional Information REQUESTER: GIL OVALLE POB #088 SITE ADDRESS: WEAR APPROPRIATE PROTECTIVE CLOTHING: EMERGENCY TELEPHONES (562) 624-4120 (24HRS), CONTACT: ED LONG BEGN 171													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: GILBERT OVALLE Signature: <i>Gilbert Ovalle</i> Month Day Year: 10/10/01				17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: EDWARD A LONG Signature: <i>Edward A. Long</i> Month Day Year: 10/10/01									
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: _____ Signature: _____ Month Day Year: _____				18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: _____ Signature: _____ Month Day Year: _____									
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name: _____ Signature: _____ Month Day Year: _____						20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name: _____ Signature: _____ Month Day Year: _____							

DO NOT WRITE BELOW THIS LINE.

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. LA0983601691	Manifest Document No. 00001	22. Page 7 of 7	Information in the shaded areas is not required by Federal law.		
23. Generator's Name IRVINE LANDFILL DISTRICT (PAPER PLANT) 21033 WILSON LAKE FOREST, CA 92630 (714) 453-5800				L. State Manifest Document Number 99692119		M. State Generator's ID	
24. Transporter Company Name OCEAN PAC		25. US EPA ID Number LA0983608258		N. State Transporter's ID		O. Transporter's Phone 56216244120	
26. Transporter Company Name		27. US EPA ID Number		P. State Transporter's ID		Q. Transporter's Phone	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers	30. Total Quantity	31. Unit W/Vol	
				No.	Type	R. Waste No.	
a.	WASTE FLAMMABLE LIQUIDS, N.O.S., 3, UN1793, PG II (LAB. PACK #1)			001	CF	00085 G	214 0001
b.	NON-FLCA HAZARDOUS WASTE LIQUID			001	DM	00037 G	231
c.	WASTE COMBUSTIBLE LIQUIDS, N.O.S., UN1793, PG III (LAB. PACK #1)			001	DM	00010 G	223
d.	NON-FLCA HAZARDOUS WASTE LIQUID			001	DF	00050 G	
e.	NON-FLCA HAZARDOUS WASTE LIQUID			002	DM	00100 G	223
f.	NON-FLCA HAZARDOUS WASTE LIQUID			002	DM	00060 G	221
g.	NON-FLCA HAZARDOUS WASTE SOLID			001	EA	00005 P	223
h.							
i.							
S. Additional Descriptions for Materials Listed Above 28a. LAB. PACK #1 28b. LAB. PACKS #7 & 9 28c. WASTE & ANTI-CORROSION 28d. ANTI-CORROSION				T. Handling Codes for Wastes Listed Above 28e. CUS 28f. W. GLASS			
32. Special Handling Instructions and Additional Information See 1A - 1 of 2							
33. Transporter Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name LARRY A. LINDSAY			Signature [Signature]		Month Day Year 10/05/01		
34. Transporter Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name			Signature		Month Day Year		
35. Discrepancy Indication Space							

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No C 0 0 0 9 0 1 5 0 1 6 0 1		Manifest Document No. K 0 0 0 4 1		2. Page 1 of 2		Information in the shaded areas is not required by Federal law				
3. Generator's Name and Mailing Address IRVINE RANCH WATER DISTRICT (BAKER PLANT) 21008 Wistaria Lake Forest, CA 92630 4. Generator's Phone (949) 453-5800					A. State Manifest Document Number <b>59692119</b>							
					B. State Generator's ID							
5. Transporter 1 Company Name OCEAN BLUE ENVIRONMENTAL			6. US EPA ID Number C 0 0 0 3 0 3 5 9 0 2 5 8		C. State Transporter's ID (Reserved)							
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone (562) 624-4120							
9. Designated Facility Name and Site Address CROSBY & OVERTON 1630 W. 17th STREET LONG BEACH, CA. 90813			10. US EPA ID Number C 0 0 0 0 2 0 4 0 9 0 1 9		E. State Transporter's ID (Reserved)							
					F. Transporter's Phone							
					G. State Facility's ID							
					H. Facility's Phone (562) 432-5445							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total		14. Unit		I. Waste Number	
					No. Type		Quantity		Wt/Vol		State	
a. RD, WASTE FLAMMABLE LIQUIDS, N.O.S.; 3; UN1993, PG II; (0001)					0105 DIM		0101915 G				214 0001	
b. WASTE AEROSOLS, FLAMMABLE, 2.1, UN1950					0101 DIM		0101215 P				214 0001	
c. WASTE PROPANE, 2.1, UN1978					0101 DIF		0100110 P				331 0001	
d. WASTE CORROSIVE LIQUIDS, N.O.S., 8 UN1760, PG II (LAB PAC)					0101 DIF		0101011 G				331 0002	
J. Additional Descriptions for Materials Listed Above 11a. LAB PAC DRUMS # 2, 3, 4, 5 & 6 LP 20041 11b. OFF SPEC. AEROSOLS 18841 11c. LAB PAC OFF SPEC. PROPANE 11d. LAB PAC # 8 LP 20041					K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information REQUESTER: GILBERT OVALLE FOR WEAR APPROPRIATE PROTECTIVE CLOTHING; EMERGENCY TELEPHONE# (562) 624-4120 (24HRS); CONTACT: ERG# 11a. 128 11b. 126 11c. 126 11d. 154					a.		b.		c.		d.	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.												
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.												
Printed/Typed Name Gilbert Ovalle					Signature <i>Gilbert Ovalle</i>			Month Day Year 10/05/01				
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name EDWARD A. LONG					Signature <i>Edward A. Long</i>			Month Day Year 11/05/01				
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name					Signature			Month Day Year				
19. Discrepancy Indication Space												
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name					Signature			Month Day Year				

DO NOT WRITE BELOW THIS LINE.



**OCFA RECORD**



# ORANGE COUNTY FIRE AUTHORITY

Clerk of the Authority/Records Management

1 Fire Authority Road

Irvine, CA 92602

## FAX COVER PAGE

To: *Meredith Church - Reighton*

Fax #: *949-250-1114*

Phone #:

Number of Pages (including cover):

Date:

From: Robin Nelson, Management Assistant

Telephone: (714) 573-6043

Fax: (714) 368-8826

COMMENTS: *Here are copies of article.*



## ORANGE COUNTY FIRE AUTHORITY

Clerk of the Authority  
1 Fire Authority Road  
Irvine, CA 92602  
P.O. Box 57115  
Irvine, CA 92619-7115  
Phone (714) 573-6040  
Fax (714) 368-8826

### FAX COVER PAGE

To: Meredith Church/Leighton

Fax # 949-250-1114

Number of Pages (including cover): 1

Date: April 8, 2008

From: Robin Nelson-Glotfelty

Telephone # 714-573-6043

COMMENTS: The information you requested for MARIN & WISTERIA in LAKE FOREST is ready. Please send a check for \$5.00 payable to Orange County Fire Authority and a self-addressed, stamped envelope to the address (P. O. Box) listed above. Upon receipt, we will mail the reports to you.



**ORANGE COUNTY FIRE AUTHORITY**

Report run on: April 23, 2008 1:43 PM

BUSINESS RECORDS AT: 20996 MARIN  
LAKE FOREST

Bus Id: 29274      DBA: IRVINE RANCH WATER DISTRICT      Status: Active  
20996 MARIN      Bldg#      Ste#  
LAKE FOREST  
Last Insp Date: 13 DEC 2005      Bus Type: WATER UTILITY  
Insp Type: ROUTINE INSPECTION      Insp Category: CATEGORY 5, NO HAZARDOUS MATERIALS  
Alarm Type:  
Sprinkler Type: 1 WET PIPE, SUPERVISED      Sprinkler Due Date: 17 JAN 2007

**VIOLATIONS**

<u>Identify Date:</u> 13 DEC 2005			
<u>House Keeping:</u> 0	<u>Fire Protect:</u> 1	<u>High Piled:</u> 0	<u>Electrical:</u> 0
<u>Exiting:</u> 0	<u>Permit Related:</u> 0	<u>Hazmat Related:</u> 0	<u>Misc:</u> 0
<u>Notice Issued Dt:</u> 13 DEC 2005		<u>Self Clr Issued Dt:</u>	
<u>1st Reinsp clear:</u> Y	<u>Date:</u> 17 JAN 2006	<u>2nd Reinsp clear:</u>	<u>Date:</u>
<u>3rd Reinsp clear:</u>	<u>Date:</u>	<u>4th Reinsp clear:</u>	<u>Date:</u>
<u>5th Reinsp clear:</u>	<u>Date:</u>		

**PERMITS : NO PERMITS FOUND \*\*\*\*\***

**CHEMICALS : NO CHEMICALS FOUND \*\*\*\*\***

**\*\*\*\*\* END OF REPORT \*\*\*\*\***



ORANGE COUNTY FIRE AUTHORITY

Report run on: April 23, 2008 1:44 PM

BUSINESS RECORDS AT: 21082 WISTERIA  
LAKE FOREST

Bus Id: 23794 DBA: IRWD - V P BAKER FILTRATION PLANT Status: Active  
21082 WISTERIA Bldg# A Ste#  
LAKE FOREST  
Last Insp Date: 12 MAR 2008 Bus Type: WATER UTILITY  
Insp Type: ROUTINE INSPECTION Insp Category: CATEGORY 4, LOW/ROUTINE HAZARDS  
Alarm Type:  
Sprinkler Type:0 Sprinkler Due Date:

VIOLATIONS

PERMITS

Permit No	Permit description	Issued Date	Expiration Date	Occupancy Load
AL1R	Liquefied Petroleum Gas Reissuance	15 DEC 2007	15 DEC 2008	
M150	\$35 Permit Admin/Drive	17 MAR 2008	17 MAR 2009	

CHEMICALS

Trade Name/ Comp Name	Component Cas#	Component Percent	Component Carcin	Component Ahm	Chem Id	Max Day Amt	Unit
PROPANE							
PROPANE	74986	99	N	Y	286141	288	GA

\*\*\*\*\* END OF REPORT \*\*\*\*\*



**ORANGE COUNTY FIRE AUTHORITY**

Report run on: April 23, 2008 1:44 PM

BUSINESS RECORDS AT: 21082 WISTERIA  
LAKE FOREST

Bus Id: 80866      DBA: IRWD - V P BAKER FILTRATION PLANT      Status: Active  
21082 WISTERIA      Bldg# B      Ste#  
LAKE FOREST  
Last Insp Date: 12 MAR 2008      Bus Type: WATER UTILITY

Insp Type: ROUTINE INSPECTION      Insp Category: CATEGORY 2, HIGH HAZARDS

Alarm Type:

Sprinkler Type:0

Sprinkler Due Date:

**VIOLATIONS**

<u>Identify Date:</u>			
House Keeping: 0	Fire Protect: 0	High Piled: 0	Electrical: 0
Exiting: 0	Permit Related: 0	Hazmat Related: 0	Misc: 0
<u>Notice Issued Dt:</u>		<u>Self Clr Issued Dt:</u>	
<u>1st Reinsp clear:</u>	<u>Date:</u>	<u>2nd Reinsp clear:</u>	<u>Date:</u>
<u>3rd Reinsp clear:</u>	<u>Date:</u>	<u>4th Reinsp clear:</u>	<u>Date:</u>
<u>5th Reinsp clear:</u>	<u>Date:</u>		

**PERMITS**

<u>Permit No</u>	<u>Permit description</u>	<u>Issued Date</u>	<u>Expiration Date</u>	<u>Occupancy Load</u>
F.3.3	COMBUSTIBLE LIQUIDS	04 MAR 2003	15 DEC 2003	

**CHEMICALS**

<u>Trade Name/ Comp Name</u>	<u>Component Cas#</u>	<u>Component Percent</u>	<u>Component Carcin</u>	<u>Component Ahm</u>	<u>Chem Id</u>	<u>Max Day Amt</u>	<u>Unit</u>
DIESEL FUEL					286011	0	GA
DIESEL FUEL NO.2- PETROLEUM MID- DISTILLA*	68476346	99	N	N			
DIESEL FUEL					286011	0	GA
NAPHTHALENE	91203	1	N	N			

\*\*\*\*\* END OF REPORT \*\*\*\*\*



**ORANGE COUNTY FIRE AUTHORITY**

Report run on: April 23, 2008 1:44 PM

BUSINESS RECORDS AT: 21082 WISTERIA  
LAKE FOREST

Bus Id: 80867      DBA: IRWD - V P BAKER FILTRATION PLANT      Status: Active  
21082 WISTERIA      Bldg# C      Ste#  
LAKE FOREST  
Last Insp Date: 12 MAR 2008      Bus Type: WATER UTILITY  
Insp Type: ROUTINE INSPECTION      Insp Category: CATEGORY 4, LOW/ROUTINE HAZARDS  
Alarm Type:  
Sprinkler Type: 1 WET PIPE, SUPERVISED      Sprinkler Due Date: 01 MAR 2009

**VIOLATIONS**

**PERMITS**

<u>Permit No</u>	<u>Permit description</u>	<u>Issued Date</u>	<u>Expiration Date</u>	<u>Occupancy Load</u>
------------------	---------------------------	--------------------	------------------------	-----------------------

**CHEMICALS**

<u>Trade Name/ Comp Name</u>	<u>Component Cas#</u>	<u>Component Percent</u>	<u>Component Carcin</u>	<u>Component Ahn</u>	<u>Chem Id</u>	<u>Max Day Amt</u>	<u>Unit</u>
----------------------------------	---------------------------	------------------------------	-----------------------------	--------------------------	----------------	--------------------	-------------

\*\*\*\*\* END OF REPORT \*\*\*\*\*



**ORANGE COUNTY FIRE AUTHORITY**

Report run on: April 23, 2008 1:44 PM

BUSINESS RECORDS AT: 21082 WISTERIA  
LAKE FOREST

Bus Id: 80868      DBA: IRVNE RANCH WATER DISTRICT      Status: Active  
21082 WISTERIA      Bldg# D      Ste#  
LAKE FOREST  
Last Insp Date: 12 MAR 2007      Bus Type: WATER UTILITY  
Insp Type: ROUTINE INSPECTION      Insp Category: CATEGORY 4, LOW/ROUTINE HAZARDS  
Alarm Type:  
Sprinkler Type: 1 WET PIPE, SUPERVISED      Sprinkler Due Date: 20 DEC 2010

**VIOLATIONS**

Identify Date:  
House Keeping: 0      Fire Protect: 0      High Piled: 0      Electrical: 0  
Exiting: 0      Permit Related: 0      Hazmat Related: 0      Misc: 0  
Notice Issued Dt:      Self Clr Issued Dt:  
1st Reinsp clear:      Date:      2nd Reinsp clear:      Date:  
3rd Reinsp clear:      Date:      4th Reinsp clear:      Date:  
5th Reinsp clear:      Date:

**PERMITS**

<u>Permit No</u>	<u>Permit description</u>	<u>Issued Date</u>	<u>Expiration Date</u>	<u>Occupancy Load</u>
F.3.3	COMBUSTIBLE LIQUIDS	15 DEC 2005	15 DEC 2006	

**CHEMICALS**

<u>Trade Name/ Comp Name</u>	<u>Component Cas#</u>	<u>Component Percent</u>	<u>Component Carcin</u>	<u>Component Ahm</u>	<u>Chem Id</u>	<u>Max Day Amt</u>	<u>Unit</u>
DIESEL DIESEL	68476346	100	N	N	346183	223	GA

\*\*\*\*\* END OF REPORT \*\*\*\*\*



ORANGE COUNTY FIRE AUTHORITY

Report run on: April 23, 2008 1:44 PM

BUSINESS RECORDS AT: 21082 WISTERIA LAKE FOREST

Bus Id: 99233 DBA: IRWD - LOS ALISOS EMERGENCY RESERVOIR Status: Active
21082 WISTERIA Bldg# E Ste#
LAKE FOREST
Last Insp Date: 23 JAN 2008 Bus Type: VACANT PROPERTY
Insp Type: ROUTINE INSPECTION Insp Category: CATEGORY 5, NO HAZARDOUS MATERIALS
Alarm Type:
Sprinkler Type:0 Sprinkler Due Date:

VIOLATIONS

PERMITS

Table with 5 columns: Permit No, Permit description, Issued Date, Expiration Date, Occupancy Load

CHEMICALS

Table with 8 columns: Trade Name/Comp Name, Component Cas#, Component Percent, Component Carcin, Component Ahm, Chem Id, Max Day Amt, Unit

\*\*\*\*\* END OF REPORT \*\*\*\*\*

II

J

## Certified Sanborn® Map Report



Sanborn® Library search results  
Certification # FDD7-4D55-8280

**Former IRWD Site**  
**Commercentre Drive/Biscayne Parkway Drive**  
**Lake Forest, CA 92630**

**Inquiry Number 2181254.3**

**March 28, 2008**



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Data Resources Inc

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Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

3/28/08

**Site Name:**

Former IRWD Site  
Commercentre Drive/Biscayne  
Lake Forest, CA 92630

**Client Name:**

Leighton and Associates, Inc.  
17781 Cowan  
Irvine, CA 92614

EDR Inquiry # 2181254.3

Contact: Meredith Church



EDR® Environmental  
Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Leighton and Associates, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

## Certified Sanborn Results:

**Site Name:** Former IRWD Site  
**Address:** Commercentre Drive/Biscayne Parkway Drive  
**City, State, Zip:** Lake Forest, CA 92630  
**Cross Street:**  
**P.O. #** NA  
**Project:** 011797-003  
**Certification #** FDD7-4D55-8280



Sanborn® Library search results  
Certification # FDD7-4D55-8280

## UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Total Maps: 0

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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K



**EDR**® Environmental  
Data Resources Inc

**The EDR-City Directory**  
*Abstract*

**Former IRWD Site**  
20996 Marin  
Lake Forest, CA 92630

**Inquiry Number: 2181254.6**

**Tuesday, April 08, 2008**

**The Standard in  
Environmental Risk  
Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

**Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

## EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1981 through 2006. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: April 8, 2008

**Target Property:**

20996 Marin  
Lake Forest, CA 92630

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Street Not Listed in Research Source	Haines Criss-Cross Directory
1986	Street Not Listed in Research Source	Haines Criss-Cross Directory
1991	Los Alisos Water District	Haines Criss-Cross Directory
1996	Los Alisos Water District	Haines Criss-Cross Directory
2001	Address Not Listed in Research Source	Haines Criss-Cross Directory
2006	Address Not Listed in Research Source	Haines Criss-Cross Directory

**Adjoining Properties**

**SURROUNDING**

Multiple Addresses  
Lake Forest, CA 92630

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Street Not Listed in Research Source	Haines Criss-Cross Directory
1986	Street Not Listed in Research Source	Haines Criss-Cross Directory
1991	<b>**Marin**</b>	Haines Criss-Cross Directory
	No Return (20991)	Haines Criss-Cross Directory
	No other addresses in 20991-21015 range	Haines Criss-Cross Directory
	<b>**Wisteria**</b>	Haines Criss-Cross Directory
	Address not listed in research source (21082)	Haines Criss-Cross Directory
	Address not listed in research source (21084)	Haines Criss-Cross Directory
1996	<b>**Marin**</b>	Haines Criss-Cross Directory
	No Return (20991)	Haines Criss-Cross Directory
	No other addresses in 20991-21015 range	Haines Criss-Cross Directory
	<b>**Wisteria**</b>	Haines Criss-Cross Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	Address not listed in research source (21082)	Haines Criss-Cross Directory
	Address not listed in research source (21084)	Haines Criss-Cross Directory
2001	<b><u>**Marin**</u></b>	Haines Criss-Cross Directory
	Residence (20991)	Haines Criss-Cross Directory
	Residence (20995)	Haines Criss-Cross Directory
	Residence (21011)	Haines Criss-Cross Directory
	Residence (21015)	Haines Criss-Cross Directory
	<b><u>**Wisteria**</u></b>	Haines Criss-Cross Directory
	Address not listed in research source (21082)	Haines Criss-Cross Directory
	Address not listed in research source (21084)	Haines Criss-Cross Directory
2006	<b><u>**Marin**</u></b>	Haines Criss-Cross Directory
	Residence (20991)	Haines Criss-Cross Directory
	Residence (20995)	Haines Criss-Cross Directory
	Residence (21011)	Haines Criss-Cross Directory
	Residence (21015)	Haines Criss-Cross Directory
	<b><u>**Wisteria**</u></b>	Haines Criss-Cross Directory
	Address not listed in research source (21082)	Haines Criss-Cross Directory
	Address not listed in research source (21084)	Haines Criss-Cross Directory

L



# FACSIMILE COVER SHEET

25550 Commercentre Drive  
Lake Forest, California 92630  
Telephone: (949) 461-3400  
Public Works Fax: (949) 461-3511 or (949) 461-3512

TO: MERIDETH CHURCH

COMPANY/ORGANIZATION: \_\_\_\_\_

FACSIMILE NO: (949) 250-1114 TEL. NO: (949) 681-4208

FROM: STEVE GONZALES DATE: 4/3/2008

TOTAL NUMBER OF PAGES INCLUDING THIS ONE: 2

## MESSAGE:

BUILDING PERMIT REFERENCE CARD FOR AN  
ADMINISTRATIVE FACILITY FOR THE LOS ALISOS  
WATER DISTRICT. LOCATED @ 20996 MARIN.

- ISSUED BY THE COUNTY OF ORANGE
- PERMIT # 80041
- ISSUE DATE: 10/11/1990

20996 Marin 10-11-90 El Toro

Los Alisos Water Dist  
administration facility,

BUILDING	<del>PLASTER</del>	PLUMBING	HEATING	ELECTRIC
80041	PLUMB 295289 7.8.92	259804 11.28.90 <u>261194</u> 12/26/90 267163 4/10/91	ME910607002	

CRS F 0260-176

**APPLICATION FOR BUILDING PERMIT**  
CITY OF LAKE FOREST

FOR APPLICANT TO FILL IN (PRINT OR TYPE)

Building Address 2108 1/2 WISTERIA LAKE FOREST CA

Owner LOS ALKES WATER DISTRICT

Mail Address 2232 MURLEND, BD LAKE FOREST CA

City LAKE FOREST CA Tel. No. 818-0580

Contractor ELLIOT COFF

Address \_\_\_\_\_ Tel. No. \_\_\_\_\_ Lic. Class \_\_\_\_\_

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class \_\_\_\_\_ License Number \_\_\_\_\_

Date \_\_\_\_\_ Contractor \_\_\_\_\_

**OWNER-BUILDER DECLARATION**

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code).

I am exempt under Sec. 7031.3, B. & P. C. for this reason \_\_\_\_\_

**WORKERS' COMPENSATION DECLARATION**

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code).

I am exempt under Sec. 7031.3, B. & P. C. for this reason \_\_\_\_\_

Policy No. \_\_\_\_\_ Company \_\_\_\_\_

Certified copy is hereby furnished.  Certified copy is filed with the city, building inspection department.

**CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE**

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Law of California.

Date 9-30-92 Applicant Marc Fajoy

**CONSTRUCTION LENDING AGENCY**

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name \_\_\_\_\_ Lender's Address \_\_\_\_\_

This permit will expire if work is not started within one year of issuance or if the work is abandoned or suspended for one year. I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent Marc Fajoy Date 9-30-92

Architect or Engineer BOYLE LIC. NO. C1897

Address 1501 QUAIL ST CITY NEWPORT BEACH Tel. No. 476-3300

Applicant MARC FAYOY Tel. No. \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Legal Description \_\_\_\_\_ Lot No. \_\_\_\_\_

Block \_\_\_\_\_ Tract \_\_\_\_\_

Size of Lot \_\_\_\_\_ No. of Bldgs. Now on Lot \_\_\_\_\_



City of Lake Forest  
23778 Mercury Road  
Lake Forest, Ca. 92630  
(714) 707-5583

Final Date 9-3-93 By WUMH

Assessor 109 Page 13 Parcel 36

Group B1 Type VN/SPRINT File WUMH Processed By

Statistical Classification \_\_\_\_\_ Sewer Map \_\_\_\_\_

Class No. 422 Dwell. Units 70 Blk \_\_\_\_\_ Pg \_\_\_\_\_

VALUATION \$ 350,000.

REVISED VALUATION \$ \_\_\_\_\_

Plan Check Fee \$ 1196.92

Additional Plan Check Fee \_\_\_\_\_

Permit Fee DBL'S 3407.50

Insurance Fee 2.50

Drainage Fee \_\_\_\_\_

Dwelling Unit Fee \_\_\_\_\_

Strong Motion Fee 73.50

Traffic Fee \_\_\_\_\_

TOTAL \$ 3432.92

PLAN CHECK VALIDATION 7-6-92 000010 M.O.

PERMIT VALIDATION WUMH 9-30-92 CASH

CK. \_\_\_\_\_ CASH \_\_\_\_\_

000-362 M.O.

INSPECTOR'S NOTES

PLANS TO APPLICANT

Type	Reviewed		Approved
	No.	Date	
Approvals	Required	Date Received or Approved	
	Yes	No	
Water Certificate			
Health Department			
Fire Department			
Grading			
Geological			
Pedestrian Protection (Fences) (Carpets)			
Special Inspection (Conc.) (Masonry) (Welding)			
Lot Drainage			
Parking			
Approvals	Date	Inspector's Signature	
Location — (Setback & Yards)			
Foundations			
Slab			
Frame			
Energy Insulation			
Leak (Downs) — Interior			
Leak — Exterior (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)			
House Number — Correct & Posted			
Final — Enter on Plans			

APPROVED  
 [Signature]  
 [Date]

~~APPROVED~~  
 [Signature]  
 [Date]

10-2-76  
 [Signature]

SEE ATTACHED

Bl'dy Permit # = 62

**APPLICATION FOR PLUMBING PERMIT**

CITY OF LAKE FOREST

Building Address 21082 WESTERIA  
 Owner Los Alisos Water District  
 Mail Address 21082 Westeria  
 City LAKE FOREST Tel. No. \_\_\_\_\_  
 Contractor H.C.K. Macpherson  
 Address 3900 Prospect Ave #3  
 City Yuba Linda Tel. No. 528-1209  
 State Lic. No. 454151 Lic. Class C-36

**LICENSED CONTRACTOR'S DECLARATION**  
 I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-36  
 Date 10-5-92  
 License Number 454151  
 Contractor H.C.K. Macpherson

**OWNER-BUILDER DECLARATION**  
 I hereby affirm that I am exempt from the Contractor's License law for the following reason (Sec. 7001.3, Business and Professions Code):  
 I, as owner of the property, or my employees with wages at their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).  
 I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code).  
 I am exempt under Sec. \_\_\_\_\_, B. & P. C. for this reason \_\_\_\_\_

Date \_\_\_\_\_  
 Owner \_\_\_\_\_  
 I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified policy (Sec. 3900, Lab. C.).  
 Policy CNA  
 Certified copy is hereby furnished.  Certified copy is held with the city building inspection department.  
 Date 10-5-92 Applicant H.C.K. Macpherson

**CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE**  
 I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date \_\_\_\_\_ Applicant \_\_\_\_\_  
 I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).  
 Lender's Name \_\_\_\_\_ Lender's Address \_\_\_\_\_

This permit will expire if work is not started within 180 days of issuance or if the work is abandoned or suspended for 180 days.  
 I certify that I have read this application and verify that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.  
 Signature of Applicant or Agent H.C.K. Macpherson 10-5-92

Alteration	Description or Name	①	②	Fee
	Toilet			
	Bath Tub			
	Shower			
	Lavatory			
1	Sink			7.00
	Dishwasher			
	Clothes Washer			
	Swimming Pool Escapator			
	Lawn Sprinkler System			
1	Water Heats			7.00
1	Gas System	1	Outlets	7.00
	Outlets over 5 per system			
4	POUR DRAIN			28.00
1	GREASE INTERCEPTOR			16.00
PLAN CHECK FEE				
PLUMBING PERMIT ISSUING FEE \$				25.00
TOTAL FEE \$				83.00

PLAN CHECK VALIDATION



City of Lake Forest  
 2378 Mercury Road  
 Lake Forest, Ca. 92630  
 (714) 207-5583

PERMIT VALIDATION

10-5-92

000382

APPLICATION FOR PLUMBING PERMIT

City of ...

Project Name: ...  
 Address: ...  
 Applicant: ...  
 License No.:

PLUMBING CONTRACTOR'S DECLARATION

I, the undersigned, being duly licensed and qualified as a plumber, do hereby declare that the above information is true and correct to the best of my knowledge and belief.

Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

INSPECTION NOTES	Date	Inspector's Signature
Under slab work		
Rough Plumbing		
Gas Piping		
Cast-iron		
Hot Water Heating		
Plumbing Fixtures		
Gas Test		
Utility Co. Notified		
Final	A-1-78	ADH



City of ...  
 Department of ...  
 License No. ...

1978

000000

PLUMBING PERMIT NO. ...

**APPLICATION FOR HEATING, VENTILATING,  
AIR CONDITIONING PERMIT  
CITY OF LAKE FOREST**

FOR APPLICANT TO FILL IN (PRINT OR TYPE)  
 Building Address 21082 WISTERIA  
 Owner LOS ANGELES WATER DIST  
 Mail Address 21082 WISTERIA  
 City LA BREA  
 Contractor TEMA P-AIR HTG & AC LAB  
 Address 601 A W. Lombg A. Rd.  
 City LA BREA CA Tel No 714-810-7841  
 State Lic No 365290 Lic Class C2

Architect or Engineer Lic. No. \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ Tel. No. \_\_\_\_\_  
 Applicant Tel. No. \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ Zip \_\_\_\_\_  
 Legal Description Lot No. \_\_\_\_\_  
 Block \_\_\_\_\_  
 Site of Lot No. of Bldgs. Now on Lot \_\_\_\_\_  
 Use of Buildings \_\_\_\_\_

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-2 License Number B 6 329 Contractor Ronald S. Smith  
 Date 10-7-92

**OWNER-BUILDER DECLARATION**  
 I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code):  
 I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).  
 I, as owner of the property, am exclusively contracting with licensed contractor to construct the project (Sec. 7044, Business and Professions Code).  
 I am exempt under Sec. 8 & P. C. for this reason \_\_\_\_\_  
 Date \_\_\_\_\_ Owner \_\_\_\_\_

**WORKERS' COMPENSATION DECLARATION**  
 I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800 Lab. C.).  
 Policy No. 207827693 Company CNA  
 Certified copy is hereby furnished.  Certified copy is filed with the contracting department.  
 Date 10-7-92 Applicant Ronald S. Smith

**CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE**  
 I certify, that in the performance of the work for which this permit is issued I shall not employ any person in any manner so as to become subject to the Workers' Compensation laws of California.  
 Date \_\_\_\_\_ Applicant \_\_\_\_\_

**CONSTRUCTION LENDING AGENCY**  
 I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3037, Civ. C.).  
 Lender's Name \_\_\_\_\_ Lender's Address \_\_\_\_\_

This permit will expire if work is not started within 180 days of issuance or if the work is abandoned or suspended for 180 days and that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and laws relating to building construction and hereby authorize representative of this city to enter upon the above-mentioned property for inspection purposes.  
 Signature of Applicant or Agent Ronald S. Smith Date 10-7-92

No.	Type of Appliances or Equipment	Fee
2	Adaptation UNIT, BTU	
	Air Handling Unit, CFM	
	Boiler, BTU	
	Compressor, BTU	
2	Ventilation System	18
	Evaporative Cooler	
	Furnace FAU Gravity	
	Floor BTU	
2	Heater: Suspended Unit	44
	Wall	
	Plan Check fee	% of above
	PERMIT ISSUING FEE \$	87
	TOTAL FEE	87

PLAN CHECK VALIDATION



City of Lake Forest  
 275 S. Lake Forest Ave.  
 Lake Forest, CA 92630  
 714-947-2000

PERMIT VALIDATION

\$87.00  
 10-7-92

000384

CASH M.O.  
 (CK)

**APPLICATION FOR ELECTRICAL PERMIT**

**CITY OF LAKE FOREST**

FOR APPLICANT TO FILE IN FRONT OF THE  
 Building Address 21082 HUSTON  
 Owner LOS ANGELES WATER DIST  
 Mail Address PO BOX 677  
 City LAKE FOREST Tel. No. 850-0310  
 Contractor STREVEN ELECTRIC CO.  
 Address 3070 E. ENGLE DRIVE  
 City ANAHEIM, CA. Tel. No. 652-0110  
 Home Lic. No. C10 106073 Lic. Class

Architect or Engineer BOYLE, EMG, L.C. No.  
 Address  
 City NEWPORT BEACH Tel. No.  
 Applicant  
 Address  
 City  
 Legal Description  
 Block LAKE FOREST  
 Lot No. 1  
 Block CITY OF LAKE FOREST  
 Lot No. 1  
 Address 2778 METURY ROAD  
 LAKE FOREST, CALIF. 92630  
 (714) 707-5583

**LICENSEE CONTRACTOR'S DECLARATION**  
 I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-10  
 Date 10-8-92  
 Contractor CIO WELCH  
 License Number SPECIALTIES

**OWNER-BUILDER DECLARATION**  
 I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code):  
 I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code).  
 I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code).  
 I am exempt under Sec. 7044.5, B. & P. C. for this reason \_\_\_\_\_  
 Owner \_\_\_\_\_

**WORKERS' COMPENSATION DECLARATION**  
 I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance or a certified policy, No. 73 PROCEEDERS Company NATIONWIDE MUTUAL INSURANCE CO.  
 Certified copy is hereby furnished.  Certified copy is filed with the city building inspection department.  
 Date 10/8/92 Applicant CHARLES SPURIN

**CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE**  
 I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.  
 Applicant \_\_\_\_\_

**CONSTRUCTION LENDING AGENCY**  
 I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued.  
 Lender's Address: \_\_\_\_\_  
 Date 10/8/92  
 Signature of Applicant or Agent Charles C. Spurin

**PERMIT VALIDATION**  
 This permit will expire if work is not started within 120 days of issuance or if the work is abandoned or suspended for 120 days.  
 I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.  
 Signature of Applicant or Agent Charles C. Spurin  
 Date 10/8/92

FOR APPLICANT TO FILE IN FRONT OF THE	PERMIT	PERMIT NO.	DATE
New Residential Buildings & Pools	1	20	10/10/92
2 & 3-Family, S.F. Pools	1	51	10/10/92
Multi-Family, S.F. Pools	1	20	10/10/92
Residential Swimming Pools	1	11	10/10/92
Outdoor Lighting	1	4	10/10/92
Telephone	1	4	10/10/92
Lighting	1	4	10/10/92
Power Apparatus & Large Appliances	1	4	10/10/92
Size & Type HP, KW, KVA, or RVAS	1	4	10/10/92
Up to 1 incl.	1	4	10/10/92
Over 1 to 10 incl.	1	4	10/10/92
Over 10 to 50 incl.	1	4	10/10/92
Over 50 to 100 incl.	1	4	10/10/92
Over 100	1	4	10/10/92
Services	1	4	10/10/92
0 - 200 Amp. Under 600 V	1	4	10/10/92
201 - 1000 Amp. Under 600 V	1	4	10/10/92
Over 1000 Amp. or Over 600 V	1	4	10/10/92
Temp. Power Pole & Apparatus	1	4	10/10/92
Sign with One Branch Circuit	1	4	10/10/92
Additional Sign Branch Circuits	1	4	10/10/92
Music Conductors & Conductors	1	4	10/10/92
Other (See Permit Fee Sched.)	1	4	10/10/92
<b>SUB-PANELS</b>	1	4	10/10/92
PERMIT FEE			
PLAN CHECKING FEE			
PERMIT ISSUING FEE			
TOTAL FEE			289.60

PLAN CHECK VALIDATION  
 CK. CASH M.O.  
 PERMIT VALIDATION  
 \$ 289.60  
 10-8-92-MSC

INSPECTOR COPY







M

# Important Information about Your Geoenvironmental Report

Geoenvironmental studies are commissioned to gain information about environmental conditions on and beneath the surface of a site. The more comprehensive the study, the more reliable the assessment is likely to be. But remember: Any such assessment is to a greater or lesser extent based on professional opinions about conditions that cannot be seen or tested. Accordingly, no matter how many data are developed, risks created by unanticipated conditions will always remain. *Have realistic expectations.* Work with your geoenvironmental consultant to manage known and unknown risks. Part of that process should already have been accomplished, through the risk allocation provisions you and your geoenvironmental professional discussed and included in your contract's general terms and conditions. This document is intended to explain some of the concepts that may be included in your agreement, and to pass along information and suggestions to help you manage your risk.

## **Beware of Change; Keep Your Geoenvironmental Professional Advised**

The design of a geoenvironmental study considers a variety of factors that are subject to change. Changes can undermine the applicability of a report's findings, conclusions, and recommendations. *Advise your geoenvironmental professional about any changes you become aware of.* Geoenvironmental professionals cannot accept responsibility or liability for problems that occur because a report fails to consider conditions that did not exist when the study was designed. Ask your geoenvironmental professional about the types of changes you should be particularly alert to. Some of the most common include:

- modification of the proposed development or ownership group,
- sale or other property transfer,
- replacement of or additions to the financing entity,
- amendment of existing regulations or introduction of new ones, or
- changes in the use or condition of adjacent property.

Should you become aware of any change, *do not rely on a geoenvironmental report.* Advise your geoenvironmental professional immediately; follow the professional's advice.

## **Recognize the Impact of Time**

A geoenvironmental professional's findings, recommendations, and conclusions cannot remain valid indefinitely. The more time that passes, the more likely it is that important latent changes will occur. *Do not rely on a geoenvironmental report if too much time has elapsed since it was completed.* Ask your environmental professional to define "too much time." In the case of Phase I Environmental Site Assessments (ESAs), for example, more than 180 days after submission is generally considered "too much."

## **Prepare To Deal with Unanticipated Conditions**

The findings, recommendations, and conclusions of a Phase I ESA report typically are based on a review of historical information, interviews, a site "walkover," and other forms of noninvasive research. When site subsurface conditions are not sampled in any way, the risk of unanticipated conditions is higher than it would otherwise be.

While borings, installation of monitoring wells, and similar invasive test methods can help reduce the risk of unanticipated conditions, *do not overvalue the effectiveness of testing.* Testing provides information about actual conditions only at the precise locations where samples are taken, and only when they are taken. Your geoenvironmental professional has applied that specific information to develop a general opinion about environmental conditions. *Actual conditions in areas not sampled may differ (sometimes sharply) from those predicted in a report.* For example, a site may contain an unregistered underground storage tank that shows no surface trace of its existence. *Even conditions in areas that were tested can change,* sometimes suddenly, due to any number of events, not the least of which include occurrences at

adjacent sites. Recognize, too, that *even some conditions in tested areas may go undiscovered*, because the tests or analytical methods used were designed to detect only those conditions assumed to exist.

Manage your risks by retaining your geoenvironmental professional to work with you as the project proceeds. Establish a contingency fund or other means to enable your geoenvironmental professional to respond rapidly, in order to limit the impact of unforeseen conditions. And to help prevent any misunderstanding, identify those empowered to authorize changes and the administrative procedures that should be followed.

### **Do Not Permit Any Other Party To Rely on the Report**

Geoenvironmental professionals design their studies and prepare their reports to meet the specific needs of the clients who retain them, in light of the risk management methods that the client and geoenvironmental professional agree to, and the statutory, regulatory, or other requirements that apply. The study designed for a developer may differ sharply from one designed for a lender, insurer, public agency...or even another developer. *Unless the report specifically states otherwise, it was developed for you and only you.* Do not unilaterally permit any other party to rely on it. The report and the study underlying it may not be adequate for another party's needs, and you could be held liable for shortcomings your geoenvironmental professional was powerless to prevent or anticipate. Inform your geoenvironmental professional when you know or expect that someone else—a third-party—will want to use or rely on the report. *Do not permit third-party use or reliance until you first confer with the geoenvironmental professional who prepared the report.* Additional testing, analysis, or study may be required and, in any event, appropriate terms and conditions should be agreed to so both you and your geoenvironmental professional are protected from third-party risks. *Any party who relies on a geoenvironmental report without the express written permission of the professional who prepared it and the client for whom it was prepared may be solely liable for any problems that arise.*

### **Avoid Misinterpretation of the Report**

Design professionals and other parties may want to rely on the report in developing plans and specifications. They need to be advised, in writing, that their needs may not have been considered when the study's scope was developed, and, even if their needs were considered, they might misinterpret geoenvironmental findings, conclusions, and recommendations. *Commission your geoenvironmental professional to explain pertinent elements of the report to others who are permitted to rely on it, and to review any plans, specifications or other instruments of professional service that incorporate any of the report's findings, conclusions, or recommendations.* Your geoenvironmental professional has the best understanding of the issues involved, including the fundamental assumptions that underpinned the study's scope.

### **Give Contractors Access to the Report**

Reduce the risk of delays, claims, and disputes by giving contractors access to the full report, *providing that it is accompanied by a letter of transmittal that can protect you* by making it unquestionably clear that: 1) the study was not conducted and the report was not prepared for purposes of bid development, and 2) the findings, conclusions, and recommendations included in the report are based on a variety of opinions, inferences, and assumptions and are subject to interpretation. Use the letter to also advise contractors to consult with your geoenvironmental professional to obtain clarifications, interpretations, and guidance (a fee may be required for this service), and that—in any event—they should conduct additional studies to obtain the specific type and extent of information each prefers for preparing a bid or cost estimate. Providing access to the full report, with the appropriate caveats, helps prevent formation of adversarial attitudes and claims of concealed or differing conditions. If a contractor elects to ignore the warnings and advice in the letter of transmittal, it would do so at its own risk. Your geoenvironmental professional should be able to help you prepare an effective letter.

### **Do Not Separate Documentation from the Report**

Geoenvironmental reports often include supplemental documentation, such as maps and copies of regulatory files, permits, registrations, citations, and correspondence with regulatory agencies. If subsurface explorations were performed, the report may contain final boring logs and copies of laboratory data. If remediation activities occurred on site, the report may include: copies of daily field reports; waste manifests; and information about the disturbance of subsurface materials, the type and thickness of any fill placed on site, and fill placement practices, among other types of documentation. *Do not separate supplemental documentation from the report. Do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.*

### **Understand the Role of Standards**

Unless they are incorporated into statutes or regulations, standard practices and standard guides developed by the American Society for Testing and Materials (ASTM) and other recognized standards-developing organizations (SDOs) are little more than aspirational methods agreed to by a consensus of a committee. The committees that develop standards may not comprise those best-qualified to establish methods and, no matter what, no standard method can possibly consider the infinite client- and project-specific variables that fly in the face of the theoretical "standard conditions" to which standard practices and standard guides apply. In fact, these variables can be so pronounced that geoenvironmental professionals who comply with every directive of an ASTM or other standard procedure could run afoul of local custom and practice, thus violating the standard of care.

Accordingly, when geoenvironmental professionals indicate in their reports that they have performed a service "in general compliance" with one standard or another, it means they have applied professional judgement in creating and implementing a scope of service designed for the specific client and project involved, and which follows some of the general precepts laid out in the referenced standard. To the extent that a report indicates "general compliance" with a standard, you may wish to speak with your geoenvironmental professional to learn more about what was and was not done. *Do not assume a given standard was followed to the letter.* Research indicates that that seldom is the case.

### **Realize That Recommendations May Not Be Final**

The technical recommendations included in a geoenvironmental report are based on assumptions about actual conditions, and so are preliminary or tentative. Final recommendations can be prepared only by observing actual conditions as they are exposed. For that reason, you should retain the geoenvironmental professional of record to observe construction and/or remediation activities on site, to permit rapid response to unanticipated conditions. *The geoenvironmental professional who prepared the report cannot assume responsibility or liability for the report's recommendations if that professional is not retained to observe relevant site operations.*

### **Understand That Geotechnical Issues Have Not Been Addressed**

Unless geotechnical engineering was specifically included in the scope of professional service, a report is not likely to relate any findings, conclusions, or recommendations about the suitability of subsurface materials for construction purposes, especially when site remediation has been accomplished through the removal, replacement, encapsulation, or chemical treatment of on-site soils. The

equipment, techniques, and testing used by geotechnical engineers differ markedly from those used by geoenvironmental professionals; their education, training, and experience are also significantly different. If you plan to build on the subject site, but have not yet had a geotechnical engineering study conducted, your geoenvironmental professional should be able to provide guidance about the next steps you should take. The same firm may provide the services you need.

### **Read Responsibility Provisions Closely**

Geoenvironmental studies cannot be exact; they are based on professional judgement and opinion. Nonetheless, some clients, contractors, and others assume geoenvironmental reports are or certainly should be unerringly precise. Such assumptions have created unrealistic expectations that have led to wholly unwarranted claims and disputes. To help prevent such problems, geoenvironmental professionals have developed a number of report provisions and contract terms that explain who is responsible for what, and how risks are to be allocated. Some people mistake these for "exculpatory clauses," that is, provisions whose purpose is to transfer one party's rightful responsibilities and liabilities to someone else. Read the responsibility provisions included in a report and in the contract you and your geoenvironmental professional agreed to. *Responsibility provisions are not "boilerplate."* They are important.

### **Rely on Your Geoenvironmental Professional for Additional Assistance**

Membership in ASFE exposes geoenvironmental professionals to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a geoenvironmental project. Confer with your ASFE-member geoenvironmental professional for more information.



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